# THERMOSTATS & CONTROLLERS

# SYSTEM 350 SETPOINT CONTROLLERS

A350. W351. P352. R353 SERIES

### **DESCRIPTION**

70°

System 350 Setpoint Controllers can be used in conjunction with plug-in accessory modules to control a wide variety of single or multistage and proportional control applications. Plug-in modules allow for sequencing, digital displays, and reset control applications.

#### **FEATURES**

- Proportional plus Integral (PI) control
- Plug-in digital display
- Models in °F or °C
- Surface or DIN rail mounting
- Electronic accuracy and repeatability
- Slave modules for reset and sequence staging
- Setpoint modules for alarm and control
- One-vear warranty

## **CONTROLLERS**

A350A is an on/off differential temperature controller with SPDT relay output and LED indication. This control comes with one temperature sensor.

A350P is an electronic proportional or PI temperature control with proportional output of 0-10 VDC and 0-20 mA. This control comes with one temperature sensor.

A350R is an electronic temperature reverse-reset controller with an SPST (N.O.) relay, as well as LED indication, setback, and warm weather shutdown. The A350R raises or lowers (resets) the setpoint of the controlled variable (water or air) based on the OSA temperature. This controller comes with two temperature sensors.

A350SS is an electronic temperature reset module and is used in conjunction with stage modules. The A350SS has both reverse-reset and direct-reset capability for water or air. This controller comes with two temperature sensors.

W351AB is a humidity controller with an SPDT relay and LED status for control of humidification or dehumidification equipment. The W351AB may have a setpoint of 10% to 90% RH with an adjustable differential of 2% to 10% RH.

W351PP is a proportional or PI humidity controller with proportional outputs of 0-10 VDC and 0-20 mA for control of humidification or dehumidification equipment. The W351PP may have a setpoint of 10% to 90% RH.

P352AB is a pressure controller with an SPST relay and LED status for control of compressor loading or pumps. The P352AB may have a setpoint of 90-250 psig (621-1724 kPa) with an adjustable differential of 10-100 psig (69-690 kPa) and can be direct or reverse acting.

P352PQ is a pressure proportional or PI controller with proportional output of 0-10V or 0-20 mA for duct pressure fan control. It has a setpoint of 0.5" to 5" W.C., -0.25" to 0.25" W.C., or 0.025" to 0.25" W.C., and it can be direct or reverse acting.



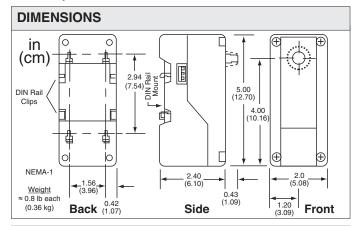




Johnson Will

W351AB-2C **Humidity Control** 





#### **SPECIFICATIONS** NEMA 1 Enclosure 0.8 lb (0.36 kg) Weight

## **ADD-ON MODULES**

Y350 is a 24 VAC half-wave rectified power module required for use with all of the controllers.

S350CC is an electronic slave module with its own concealed temperature setpoint and an SPDT relay with LED status for control. This module uses the sensor from the accompanying A350 controller.

S350PQ is an electronic proportional or PI stage module with its own differential, offset, and analog control outputs. This module uses the sensor and setpoint from the accompanying A350 controller.

S35xAA is an electronic stage module with an independent differential and offset adjust from setpoint. This sequencing module has an SPDT relay with LED status for control.

D35x is a digital module with a button to display the setpoint. This module comes in many models, including temperature, humidity, and pressure.

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A350, W351, P352, R353 SERIES



|             |  | LOCKOUT                            | BASE SYSTEM         |   | APPLICATION DEPENDENT   |                               |  |   |  |  |  |  |
|-------------|--|------------------------------------|---------------------|---|---|-------------------------------|--|---|--|--|--|--|
|             | Application<br>Output                  | Module<br>Control from<br>OSA Temp | Basic<br>Controller | Power<br>Module<br>or 24 VAC<br>(transformer) | Stage Modules<br>Control from Controlled<br>Variable (CV)                   | Display<br>Module<br>(button) | Compatible<br>Sensor<br>Input                  | Typically<br>Required<br>Accessories<br>(order separately)                      |  |  |  |  |
|             | On/Off<br>with SPDT<br>relay output    |                                    | A350A               | Y350R   | \$350AA,\$350CC,\$350PQ   | D350 Temperature              | A99BC-25C<br>Strap-On<br>RTD                   | (TE6001-4 Bracket<br>T4000-2644 Cover)<br>TE6001-2 OSA Encl.<br>WEL11A601R Well |  |  |  |  |
| TEMPERATURE | Proportional                           |                                    | A350P               | 120 VAC<br><b>Y350R</b>                       | Up to nine stage modules with Y350R (six with a S350P) S350AA,S350CC,S350PQ | (setpoint)                    | controller A99BC-25C                           | TE6001-1 Duct bracke (TE6001-4 Bracket  |  |  |  |  |
|             | with 0-10 VDC<br>and 0-20 mA<br>output |                                    |                     | 120 VAC                                       | Up to four stage modules with Y350R (two with an S350P)*                    | Temperature (setpoint)        | Strap-On<br>RTD<br>included with<br>controller | T4000-2644 Cover) TE6001-2 OSA Encl. WEL11A601R Well TE6001-1 Duct bracke       |  |  |  |  |
|             | Reset                                  | \$350CC D350                       | A350R               | Y350R   | S350AA,S350CC,S350PQ  | D350                          | 2-A99BC-25C<br>Strap-On<br>RTD                 | (TE6001-4 Bracket<br>T4000-2644 Cover)<br>TE6001-2 OSA Encl.                    |  |  |  |  |
|             | with SPDT relay output                 | SPDT OAT (Set Point)               |                     | 120 VAC                                       | Up to nine stage modules with Y350R (six with an S350P)                     | Temperature (calc. setpoint)  | included with controller                       | WEL11A601R Well<br>TE6001-1 Duct bracke   |  |  |  |  |
|             | Reset requires stage                   | \$350CC D350                       | A350SS              | Y350R   | S350AA,S350CC,S350PQ  | D350                          | 2-A99BC-25C<br>Strap-On<br>RTD                 | (TE6001-4 Bracket<br>T4000-2644 Cover)<br>TE6001-2 OSA Encl.                    |  |  |  |  |
|             | modules for outputs                    | SPDT OAT<br>(Set Point)            |                     | 120 VAC                                       | Up to nine stage modules with Y350R (six with an S350P)                     | Temperature (calc. setpoint)  | included with controller                       | WEL11A601R Well<br>TE6001-1 Duct brack  |  |  |  |  |
| HUMIDITY    | On/Off                                 | th SPDT                            |                     | Y350R   | S351  | D351                          | GEH2S<br>Room<br>GEH2D                         | BAM-1000 DIN rail   |  |  |  |  |
|             | with SPDT relay output                 |                                    |                     | 120 VAC                                       | Up to five stage modules with Y350R*  | Humidity<br>(setpoint)        | Duct<br>order<br>separately                    | BAM End stop  |  |  |  |  |
|             | Proportional                           |                                    | W351P               | Y350R   | \$351   | D351                          | GEH2S<br>Room<br>GEH2D                         | BAM-1000 DIN rail   |  |  |  |  |
|             | with 0-10 VDC<br>and 0-20 mA<br>output |                                    |                     | 120 VAC                                       | Up to four stage modules with <b>Y350R</b> *                                | Humidity<br>(setpoint)        | Duct<br>order<br>separately                    | BAM End stop  |  |  |  |  |
|             | On/Off                                 |                                    | P352(A/P)           | Y350R   | \$352   | D352                          | P399<br>Water Pipe                             | BAM-1000 DIN rail   |  |  |  |  |
| SURE        | with SPDT<br>relay output              |                                    |                     | 120 VAC                                       | Up to five stage modules with Y350R*  | Pressure<br>(setpoint)        | order<br>separately                            | BAM End stop  |  |  |  |  |
| PRESSURE    | Proportional                           |                                    | P352PQ              | Y350R   |   | D352                          | DPT-2640<br>Air<br>Duct                        | BAM-1000 DIN rail   |  |  |  |  |
|             | with 0-10 VDC<br>and 0-20 mA<br>output |                                    |                     | 120 VAC                                       | No additional stages  | Pressure (setpoint)           | order<br>separately                            | BAM End stop  |  |  |  |  |
| SEQUENCING  | Sequencing with SPDT                   |                                    | R353                | Y350R   | S353  |                               | Input Only<br>0-10 VDC<br>0-20 mA<br>0-2 VDC   | BAM-1000 DIN rail   |  |  |  |  |
| SEGL        | relay output                           |                                    |                     | 120 VAC                                       | Up to five stages with Y350R*   |                               | 135-10 kΩ<br>Slidewire                         | BAM End stop  |  |  |  |  |

<sup>\*</sup> With a 24VAC/40 VA transformer, nine slave modules can be added (eight if an S350P is used).

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888-397-5353 USA

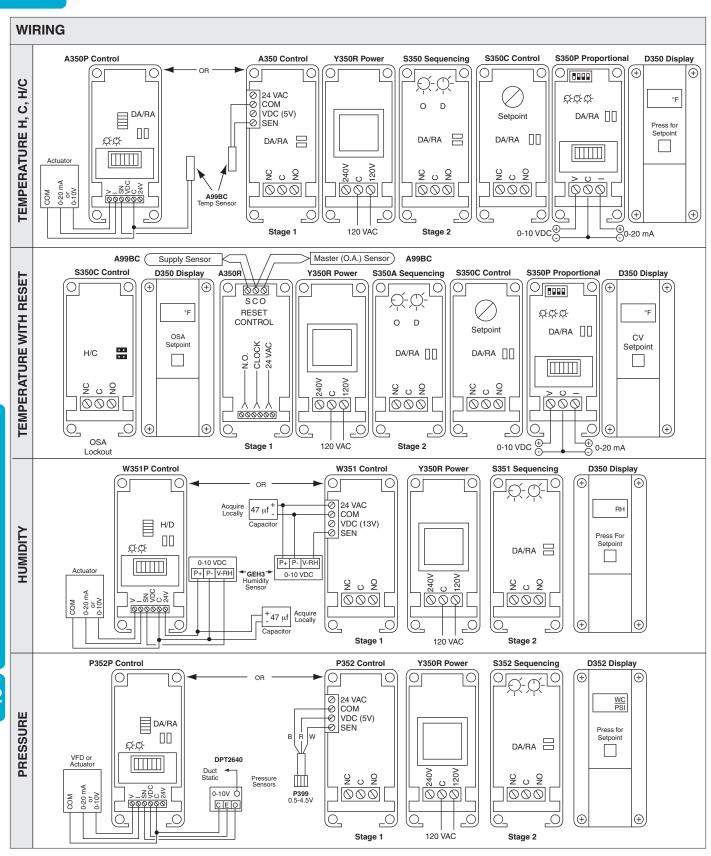
001-901-382-6084 International

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## **ORDERING INFORMATION AND SPECIFICATIONS**

| CONTROL<br>MODULE   | CONTRO  | L POV  | VER   |   | ANGE<br>able in C°   |  | RENTIAL  | _  | TTLING<br>GE (TR)   |   | PUT<br>NSOR  | C   | OUTPUT  |
|---|---|--|---|---|--|--|--|--|---|---|--|---|---|
| Y350R-1C  | System  | 350 Pow  | er Supp   | -   |  |  |  |  |   |   | 40VAC  | 24 VAC  | @10 VA 50/60Hz  |
| A350AA-1C*  | Temp  | 24 VAC,  |   | ·   | 130°F  | 1° to 30   | 0°F  |  |   | Si RT   |  |   | OA (120/240V)   |
| A350AA-2C*  | Temp  | 24 VAC,  |   | 90° to 2  | 250°F  | 1° to 30   | 0°F  |  |   | Si RT   | D  |   | OA (120/240V)   |
| A350EA-4C*  | Temp  | 24 VAC.  | 1.5 VA  | 10° to  | 65°F   | 1° to 30   | 0°F  |  |   | Si RT   |  |   | OA (120/240V)   |
| A350PS-1C*  | Temp  | 24 VAC,  |   |   | 130°F  |  |  | 2° to 3  | 0°F   | Si RT   |  |   | ·20 mA@600Ω   |
| A350PS-2C*  | Temp  | 24 VAC,  |   | 90° to 2  |  |  |  | 2° to 3  |   | Si RT   |  |   | -20 mA@600Ω   |
| A350RS-1C*  | R/Reset   | 24 VAC,  |   |   | 160°F min  | with reset   |  |  |   | 2-Si F  |  | SPDT, 4   |   |
| A350SS-1C*  | D/R Rese  |  |   | 1   | 90°F min v   |  |  | •  |   | 2-Si F  |  |   | ut (S. Mod. Reg)  |
| A350SS-2C*  | D/R Rese  | 1 '  |   |   | 90°F min v   |  |  |  |   | 2-Si F  |  |   | ut (S. Mod. Req)  |
| W351AB-2C   | Humidity  | 24 VAC,  |   | 1   | 90%RH  | 1 1  |  |  |   | 0-10V   |  | SPDT, 10A (120/240V)  |   |
| W351PP-1C   | Humidity  | 24 VAC,  |   |   | 90%RH  | 2 70 10  |  | 2% to 20% RH   |   | 0-10V<br>0-10V  |  | 0-10V, 0-20 mA@600Ω   |   |
| P352AB-3C   | Pressure  |  |   |   |  | 10-100   | neia   |  |   |   | ).5-4.5V   |   |   |
| P352PN2C  | Pressure  | 24 VAC, 3.2 VA<br>24 VAC, 3.2 VA   |   | 1   | 90-240 psig<br>0-100 psig  |  | 10-100 psig  |  | 5-50 psig   |   | ).5-4.5V   | ' '   |   |
| P352PQ1C  | Pressure  | 24 VAC,  |   |   | 5" W.C.  |  |  |  | 5" W.C.   |   | 0.5-4.5V<br>0.5-4.5V   |   | ·20 mA @ 600Ω   |
| P352PQ2C  | Pressure  |  |   | 1   | to 0.25" W.  |  |  |  |   |   |  |   |   |
|   |   | 24 VAC, 3.2 VA<br>er 24 VAC, 3.2 VA  |   | 0.025<br>0% to 7                                  |  | 1% to 7%   |  | 0.025"-0.25"W.C.                                     |   | Duct 0.5-4.5V<br>VDC, mA, Ω                           |  | 0-10V, 0-20 mA@600Ω<br>SPDT, 10A (120/240V)                   |   |
| *Sensors are in   |   |  |   |   |  | 1 % 10 /   | / /0   |  |   | VDC,  | IIIA, 52   | SFDI, IC  | JA (120/240V)   |
|   |   |  |   | OFFSET  | module.  | DIEEEDI  | ENITIAL  | ACTIC  | N (N.O.)  | INP   | IT.  |   | UTPUT   |
|   |   |  |   |   |  | 1° to 30°  |  |  |   |   |  |   |   |
| S350AA-1C   | Temp  | 1\   |   | ± 1° to 30  |  |  |  |  | or RA   | A35   |  |   | OA (120/240V)   |
| S350PQ-1C   | Temp  | 1\   |   | ± 0° to 30  |  | 2° to 30   | . ,  |  | or RA   | A35   |  |   | -20 mA @600Ω  |
| S350CC-1C   | Temp  | 1\   |   |   | 30°F Setpt   | 1° to 30°  |  |  | or RA   | A35   |  |   | OA (120/240V)   |
| S351AA-1C   | Humidity  | 1\   |   | ± 2% to 3   |  | 2% to 10   |  |  | or RA   | W3  |  |   | DA (120/240V)   |
| S352AA-2C   | Pressure  | 1\   |   | ± 1-60 psig                                       |  |  | 00 psig DA or RA   |  | P352  |   | SPDT, 10A (120/240V)   |   |   |
| S353AA-1C   | Sequence  | er 1\  | /A  | 0% to 75°   | %  | 1% to 79   | %  | DA   | or RA   | R35   | 53   | SPD1, 10  | OA (120/240V)   |
| DISPLAY MOD   | CONTRO  | L DISF   | LAY   | DIC   | GITS [   | DISPLAY F  | RANGE  | SETP   | DINT RAN  | GE IN   | NPUT   | DISPLAY   | PUSH BUTTON   |
| D350AA-1C   | Temp  | °F   |   | 3.5   | LCD -  | 30° to 250   | )°F  | -30° t   | o 250°F   | Α   | 350  | Control Va  | ariable/Setpoint  |
| D351AA-1C   | Humidity  | %  | %RH   |   | 1  |  | 0% to 90% RH   |  | 10% to 90% RH   |   | /351   | Control Variable/Setpoint                                     |   |
| D352AA-1C   | Pressure  | ps   |   |   |  | )-435 psig   |  |  | 50 psig   |   | 352A   |   | ariable/Setpoint  |
| D352CA-1C   | Pressure  | 1 .  | V.C.  |   |  | " to 9.99"   | W.C.   |  | 9.99" W.C   |   | 352P   |   | ariable/Setpoint  |
| D352CA-2C   | Pressure  |  | V.C.  |   |  | 0" to 0.999" W.0   |  |  | 0.999" W.C  |   |  |   | ariable/Setpoint  |
|   |   |  |   |   |  |  |  |  |   |   |  |   |   |
| SENSOR  |   | ONTROL   | _   | ROLLER  | RAN  |  | SIGN   |  | ACCUR   |   |  | NTING   | WIRING  |
| A99BC   |   | mp   | A350  |   | -30° to 2  | 50°⊦   | Resist   |  | ±19   |   |  | Strap on  | 2 Twist Shielded  |
|   |   |  |   |   |  |  |  |  |   | /_  | Roon   | n   | 3 Twist Shielded  |
| GEH2S   |   | ım. Room   | W351  |   |  | 00% RH   | 0 to 10  |  | ±2%   |   |  |   |   |
| GEH2D   | Нι  | ım. Duct   | W351  |   | 0% to 10   | 00% RH   | 0 to 10  | 0V   | ±2%   | 6   | Duct   |   | 3 Twist Shielded  |
|   | Hu<br>Pr  |  |   | AB-3C   |  | 00% RH   |  | 0V   |   | 6   |  | Direct  |   |
| GEH2D<br>P399BAA-1C   | 9-200C Hu<br>Pr   | ım. Duct   | W351  |   | 0% to 10   | 00% RH<br>sig  | 0 to 10  | 0V<br>4.5V   | ±2%   | 6   | Pipe   | Direct<br>Direct  | 3 Twist Shielded  |
| GEH2D<br>P399BAA-1C<br>requires WHA-P399<br>P399AAA1C   | 9-200C Pr   | ım. Duct<br>essure   | W351<br>P352  | A/P)  | 0% to 10<br>0-500 ps   | 00% RH<br>sig<br>sig   | 0 to 10<br>0.5 to  | 0V<br>4.5V<br>4.5V                                   | ±2%<br>±1%  | %<br>%<br>5%  | Pipe<br>Pipe   |   | 3 Twist Shielded<br>3 Twist Shielded  |
| GEH2D<br>P399BAA-1C<br>requires WHA-P399<br>P399AAA1C<br>requires WHA-P399  | 9-200C<br>Pr<br>9-400C<br>Dit   | im. Duct<br>essure<br>essure   | W351<br>P352/<br>P352(<br>P352F   | A/P)<br>PQ-1C                                     | 0% to 10<br>0-500 ps<br>0-100 ps   | 00% RH<br>sig<br>sig<br>W.C.   | 0 to 10<br>0.5 to<br>0.5 to  | 0V<br>4.5V<br>4.5V                                   | ±2%<br>±1%<br>±1.   | %<br>%<br>5%<br>%                                     | Pipe<br>Pipe<br>Duct,  | Direct  | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded  |
| GEH2D<br>P399BAA-1C<br>requires WHA-P399<br>P399AAA1C<br>requires WHA-P399<br>DPT-2640-010  | 9-200C<br>Pr<br>9-400C<br>Dit   | im. Duct<br>essure<br>essure<br>f. Pressure<br>f. Pressure   | W351<br>P352/<br>P352(<br>P352F   | A/P)<br>PQ-1C                                     | 0% to 10<br>0-500 ps<br>0-100 ps<br>0" to 10"<br>0" to 0.5                                 | 00% RH<br>sig<br>sig<br>W.C.   | 0 to 10<br>0.5 to<br>0.5 to<br>0 to 5\<br>0 to 5\  | 0V<br>4.5V<br>4.5V                                   | ±2%<br>±1%<br>±1.5<br>±1%   | %<br>5%<br>%  | Pipe<br>Pipe<br>Duct,  | Direct<br>1/4 poly<br>1/4 poly                                | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded  |
| GEH2D<br>P399BAA-1C<br>requires WHA-P398<br>P399AAA1C<br>requires WHA-P398<br>DPT-2640-010<br>DPT-2640-0R5  | 9-200C<br>Pr<br>9-400C<br>Dit   | im. Duct essure essure f. Pressure USE   | W351<br>P3524<br>P352(<br>P352F<br>P352F  | A/P)<br>PQ-1C                                     | 0% to 10<br>0-500 ps<br>0-100 ps<br>0" to 10"<br>0" to 0.5                                 | 00% RH<br>ig<br>ig<br>W.C.<br>" W.C.   | 0 to 10<br>0.5 to<br>0.5 to<br>0 to 5\<br>0 to 5\  | 0V<br>4.5V<br>4.5V                                   | ±2%<br>±1%<br>±1.5<br>±1%   | %<br>5%<br>%<br><u>%</u>                              | Pipe<br>Pipe<br>Duct,<br>Duct,   | Direct 1/4 poly 1/4 poly TION                                 | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded  |
| GEH2D P399BAA-1C requires WHA-P398 P399AAA1C requires WHA-P398 DPT-2640-010 DPT-2640-0R5 ACCESSORY BAM-1000   | 9-200C Pr<br>9-400C Dir   | im. Duct essure essure f. Pressure USE   | W351 P3524 P3526 P3526 P3527 D WITH   | A/P)<br>PQ-1C                                     | 0% to 10<br>0-500 ps<br>0-100 ps<br>0" to 10"<br>0" to 0.5                                 | 00% RH  ig  W.C.  "W.C.  SCRIPTION   | 0 to 10<br>0.5 to<br>0.5 to<br>0 to 5\<br>0 to 5\  | 0V<br>4.5V<br>4.5V<br>V<br>V                         | ±2%<br>±1%<br>±1.5<br>±1%   | % % 5% 6 6 DI   | Pipe Pipe Duct, Duct, PPLICAT  | Direct  1/4 poly  1/4 poly  TION  punting                     | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded  |
| GEH2D P399BAA-1C requires WHA-P398 P399AAA1C requires WHA-P398 DPT-2640-010 DPT-2640-0R5 ACCESSORY BAM-1000 ADP11A-6006   | 9-200C Pr<br>9-400C Dir   | im. Duct essure essure f. Pressure USE 350 350   | W351 P3524 P3526 P3526 P3527 D WITH Module Module   | A/P)<br>PQ-1C<br>PQ-2C                            | 0% to 10<br>0-500 ps<br>0-100 ps<br>0" to 10"<br>0" to 0.5<br>DE                           | ig W.C. W.C. SCRIPTION   | 0 to 10<br>0.5 to<br>0.5 to<br>0 to 5\<br>0 to 5\<br>ON  | 0V<br>4.5V<br>4.5V<br>V<br>V                         | ±29<br>±19<br>±1.4<br>±19<br>±19  | %<br>6<br>5%<br>%<br><u>%</u><br>DI<br>Co             | Pipe Pipe Duct, Duct, PPLICAT N rail mo  | Direct 1/4 poly 1/4 poly TION Dunting                         | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded                        |
| GEH2D P399BAA-1C requires WHA-P398 P399AAA1C requires WHA-P398 DPT-2640-010 DPT-2640-0R5 ACCESSORY BAM-1000 ADP11A-600F TE-6001-4   | 9-200C Pr<br>9-400C Dir   | essure essure f. Pressure f. Pressure USE 350 350 A996   | P352F<br>P352F<br>P352F<br>P352F<br>P352F<br>D WITH<br>Module<br>Module<br>3C (Si R   | A/P) PQ-1C PQ-2C                                  | 0% to 10<br>0-500 ps<br>0-100 ps<br>0" to 10"<br>0" to 0.5<br>DE                           | ig W.C. "W.C. SCRIPTIC IT conduit  | 0 to 10<br>0.5 to<br>0.5 to<br>0 to 5\<br>0 to 5\<br><b>ON</b><br>t adapter<br>ate (cove   | 0V<br>4.5V<br>4.5V<br>V<br>V                         | ±29<br>±19<br>±1.4<br>±19<br>±19  | % 6 5% 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6              | Pipe Pipe Duct, Duct, PPLICAT N rail monduit spoom                                     | Direct 1/4 poly 1/4 poly TION Dunting                         | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded  |
| GEH2D P399BAA-1C requires WHA-P398 P399AAA1C requires WHA-P398 DPT-2640-010 DPT-2640-0R5 ACCESSORY BAM-1000 ADP11A-600F TE-6001-4 T-4000-2644   | 9-200C Pr<br>9-400C Dir   | m. Duct essure essure f. Pressure f. Pressure USE 350 350 A991 A991                                    | W351<br>P352A<br>P352(<br>P352F<br>P352F<br>P352F<br>D WITH<br>Module<br>Module<br>3C (Si R'<br>3C (Si R'   | A/P) PQ-1C PQ-2C TD) TD)                          | 0% to 10<br>0-500 ps<br>0-100 ps<br>0" to 10"<br>0" to 0.5<br>DE<br>DII<br>EM              | ig W.C. "W.C. SCRIPTION Tail MT conduit  | 0 to 10<br>0.5 to<br>0.5 to<br>0 to 5<br>0 to 5<br>ON<br>t adapter<br>ate (cover)  | 0V<br>4.5V<br>4.5V<br>V<br>V                         | ±29<br>±19<br>±1.4<br>±19<br>±19  | % 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6               | Pipe Pipe Duct, Duct, PPLICAT N rail moonduit spoom oom (oom)                          | Direct 1/4 poly 1/4 poly TION Dunting                         | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded                        |
| GEH2D P399BAA-1C requires WHA-P398 P399AAA1C requires WHA-P398 DPT-2640-010 DPT-2640-0R5 ACCESSORY BAM-1000 ADP11A-600F TE-6001-4 T-4000-2644 TE-6001-2                                   | 9-200C Pr<br>9-400C Dit<br>5D Dit   | m. Duct essure essure f. Pressure f. Pressure USE 350 350 A991 A991 A991                               | W351<br>P352A<br>P352(<br>P352F<br>P352F<br>P352F<br>D WITH<br>Module<br>Module<br>3C (Si R<br>3C (Si R<br>3C (Si R   | A/P) PQ-1C PQ-2C TD) TD) TD)                      | 0% to 10<br>0-500 ps<br>0-100 ps<br>0" to 10"<br>0" to 0.5<br>DE<br>DII<br>EM<br>Ro<br>Out | ig  W.C. "W.C. SCRIPTIO N rail MT conduit oom clip ploom cover utside air h                                    | 0 to 10 0.5 to 0.5 to 0 to 5 0 to 5  O to 5  O to 5  O to 10  I adapter ate (cover (plate remousing)   | 0V<br>4.5V<br>4.5V<br>V<br>V                         | ±29<br>±19<br>±1.4<br>±19<br>±19  | 6<br>6<br>6<br>6<br><b>Al</b><br>DI<br>Co<br>Ro<br>Ro | Pipe Pipe Duct, Duct, PPLICAT N rail monduit spoom Oom Oom                             | Direct  1/4 poly  1/4 poly  TION  Dunting secified both requi | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded                        |
| GEH2D P399BAA-1C requires WHA-P398 P399AAA1C requires WHA-P398 DPT-2640-010 DPT-2640-0R5 ACCESSORY BAM-1000 ADP11A-600F TE-6001-4 T-4000-2644 TE-6001-2 WEL11A-601F                       | 9-200C Pr<br>9-400C Dit<br>5D Dit   | m. Duct<br>essure<br>essure<br>f. Pressure<br>f. Pressure<br>USE<br>350<br>350<br>A991<br>A991<br>A991 | W351<br>P352/<br>P352F<br>P352F<br>D WITH<br>Module<br>Module<br>3C (Si R<br>3C (Si R<br>3C (Si R<br>3C (Si R   | PQ-1C<br>PQ-2C<br>TD)<br>TD)<br>TD)<br>TD)        | 0% to 10<br>0-500 ps<br>0-100 ps<br>0" to 10"<br>0" to 0.5<br>DE<br>DII<br>EM<br>Ro<br>Out | oo% RH  ig  W.C.  "W.C.  SCRIPTIO  N rail  MT conduit  oom clip plate oom cover  utside air hell and cor       | 0 to 10 0.5 to 0.5 to 0 to 50 ON adapter at adapter at adapter at cover (plate renousing nnector   | 4.5V 4.5V V V er required)                           | ±29<br>±19<br>±1.4<br>±19<br>±19  | 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6                 | Pipe Pipe Duct, Duct, PPLICAT N rail moonduit spoom oom GSA mersion                    | Direct  1/4 poly  1/4 poly  TION  Dunting secified both requi | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded                        |
| GEH2D P399BAA-1C requires WHA-P399 P399AAA1C requires WHA-P399 DPT-2640-010 DPT-2640-0R5 ACCESSORY BAM-1000 ADP11A-600F TE-6001-4 T-4000-2644 TE-6001-2 WEL11A-601F TE-6001-1             | 9-200C Pr<br>9-400C Dir<br>10D Dir<br>15D Dir   | im. Duct essure essure f. Pressure USE 350 350 A991 A991 A991 A991                                     | W351<br>P352/<br>P352F<br>P352F<br>D WITH<br>Module<br>Module<br>3C (Si R<br>3C (Si R<br>3C (Si R<br>3C (Si R<br>3C (Si R<br>3C (Si R   | PQ-1C<br>PQ-2C<br>TD)<br>TD)<br>TD)<br>TD)<br>TD) | 0% to 10 0-500 ps 0-100 ps 0" to 10" 0" to 0.5  DE EM Ro Ro OL We Ho                       | oo% RH  ig  W.C.  "W.C.  SCRIPTION  IT conduit  from clip pland cover  utside air h  ell and cor  older for du | 0 to 10 0.5 to 0.5 to 0 to 50 0 to 50  ON  adapter ate (cover (plate removes to some consumment of the cover cover sense cover sense cover sense cover sense cover the cover sense cover sense cover the cover sense cover sen | 4.5V 4.5V 4.5V V V er required)                      | ±29<br>±19<br>±1.4<br>±19<br>±19  | 66666666666666666666666666666666666666                | Pipe Pipe Duct, Duct, PPLICAT N rail monduit spoom Oom Oom Oom Oom Oom Oom Oom Oom Oom | Direct  1/4 poly  1/4 poly  TION  Dunting secified both requi | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>Twist Shielded      |
| GEH2D P399BAA-1C requires WHA-P398 P399AAA1C requires WHA-P398 DPT-2640-010 DPT-2640-0R5 ACCESSORY BAM-1000 ADP11A-600F TE-6001-4 T-4000-2644 TE-6001-2 WEL11A-601F                       | 9-200C Pr<br>9-400C Dir<br>10D Dir<br>15D Dir   | im. Duct essure essure f. Pressure USE 350 350 A991 A991 A991 A991 A991 D353                           | W351<br>P352/<br>P352(<br>P352F<br>P352F<br>D WITH<br>Module<br>3C (Si R<br>3C (S | PQ-1C<br>PQ-2C<br>TD)<br>TD)<br>TD)<br>TD)<br>TD) | 0% to 10 0-500 ps 0-100 ps 0" to 10" 0" to 0.5  DE EM Rc Rc Ou We Hc 3" c                  | oo% RH  ig  W.C.  "W.C.  SCRIPTIO  N rail  MT conduit  oom clip plate oom cover  utside air hell and cor       | 0 to 10 0.5 to 0.5 to 0 to 50 0 to 50  ON  adapter ate (cover (plate removes in particular sensor are sensor are dispensed in particular sensor are dispensed in particular sensor are sens | 0V<br>4.5V<br>4.5V<br>V<br>V<br>er requi<br>equired) | ±2°, ±10°, ±1 ±10°, ± | 66666666666666666666666666666666666666                | Pipe Pipe Duct, Duct, PPLICAT N rail monduit spoom Oom Oom Oom Usbar                   | Direct 1/4 poly 1/4 poly TION Dunting secified both requi     | 3 Twist Shielded red per location) |
| GEH2D P399BAA-1C requires WHA-P399 P399AAA1C requires WHA-P399 DPT-2640-010 DPT-2640-0R5 ACCESSORY BAM-1000 ADP11A-600F TE-6001-4 T-4000-2644 TE-6001-2 WEL11A-601F TE-6001-1 WHA29A-6001 | 9-200C Pr<br>9-400C Dir<br>Pr<br>9-400C Pr<br>Pr<br>Pr<br>Pr<br>Pr<br>Pr<br>Pr<br>Pr<br>Pr<br>Pr<br>Pr<br>Pr<br>Pr<br>P | im. Duct essure essure if. Pressure USE 350 350 A99i A99i A99i A99i A99i A99i A99i A99                 | W351<br>P352/<br>P352/<br>P352F<br>P352F<br>D WITH<br>Module<br>3C (Si R<br>3C (S | PQ-1C<br>PQ-2C<br>TD)<br>TD)<br>TD)<br>TD)<br>TD) | 0% to 10 0-500 ps 0-100 ps 0" to 10" 0" to 0.5  DE EM Rc Rc Ou We Hc 3' u ler              | w.C. W.C. W.C. SCRIPTIO Tomoclip placements aide air hell and corolder for ducable for re-                     | 0 to 10 0.5 to 0.5 to 0 to 50  | 4.5V 4.5V V V er required) or isplay it (2.0 m       | ±2°, ±10°, ±1 ±10°, ± | 66666666666666666666666666666666666666                | Pipe Pipe Duct, Duct, PPLICAT N rail monduit spoom Oom Oom Oom Oom Oom Oom Oom Oom Oom | Direct 1/4 poly 1/4 poly TION Dunting secified both requi     | 3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>3 Twist Shielded<br>Twist Shielded      |

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