One Series Transmitter-Switch for Division 1 (Zone 1)

- Electronic pressure and temperature transmitter-switches with no moving parts
- 4-20 mA output and digital process display
- Fully adjustable deadband and smart self diagnostics
- Digital display and tamper-proof keypad adjustment of setpoint and deadband
- Explosion-proof enclosure for Division 1 (Zone 1) hazardous areas
- 2-wire, 4-wire and loop powered models available

DUAL SEAL CERTIFIED

120 Series – Electro-Mechanical Pressure and Temperature Switch

- Explosion-proof line of pressure, differential pressure, and temperature models with wide selection of ranges, sensors and pressure connections
- UL, cUL, ATEX certified for hazardous locations
- Single or dual switch outputs
- Welded stainless steel diaphragm pressure sensor
- Internal or external set point adjustment

QUICK START INSTRUCTIONS

I.   Press (both) the left and right buttons ↕→ simultaneously.

II. Press the right button → and enter the 4-digit passcode (default = 0000).

III. Press the right button once → and then the left button twice ↕↕ until SW1 appears on the display.

IV. Press the right button → and make the desired changes to the switch mode, set point and deadband. Changes are made using the left button ↕

V.   Press both the right and the left button ↕→ simultaneously to discard or save changes

    a. To discard changes, press both the left and the right buttons ↕→ simultaneously.

    b. To save changes, press the left button ↕ and then press both the left and the right buttons ↕→ simultaneously

Quick Start Programming Guide

ONE SERIES SAFETY TRANSMITTER

Process Display
1234

Display to Scroll : SP1 xxxx, DB1 xxxx, SP2 xxxx, DB2 xxxx

Display to Scroll : MAX xxxx, MIN xxxx

BOTH — NO RESET

Set Blinking Digit
⇕ Increments Blinking Digit
⇒ Sets Digit and moves to next

Flash Err

Abort — Abort — SAVING

Set Blinking Digit
⇕ Increments Blinking Digit
⇒ Sets Digit and moves to next

ABORT CHANGE

PASS WORD ⇒ **0000** — Invalid PWORD — PWORD Valid — **OK** — BOTH — **ENTER NEW PWORD** — **0000** — **CONF PASSWORD 0000** — BOTH

BDOOR PWORD Valid

SAVING

No Latch Set — If Latch Set

MAN RSET — BOTH — **RSET DONE**

* **CLR MAX/MIN** ⇒ **CLR?** ⇒ YES — ⇕ NO

* **SET UNITS** ⇒ PSI / BAR/mBAR / KPa/MPa / Kg/cm2 / "wc — °F / °C
Note: Bar/mBAR or KPa/MPa will depend on sensor

* **SW1** ⇒ **OPEN RISE** ⇒ **SP** ⇒ POS / NEG (Skip if range only POS) ⇒ **0000** ⇒ **DB** ⇒ **0000**

Set Point Outside Sensor Range flash "Err"

Dead Band out of Range flash "Err"

BOTH — Shortcut to save changes

Set Blinking Digit ⇕ Increments Blinking Digit ⇒ Sets Digit and moves to next

OPEN FALL

WINDOW ⇒ **SPH** ⇒ **DBH** ⇒ **SPL** ⇒ **DBL**

Note: Enter Set Point High, Dead Band High, Set Point Low and Dead Band Low. Details of entry are similar to above.

* **OFST** ⇒ POS / NEG ⇒ **0000** — Offset out of Range flash "Err"
Set Blinking Digit ⇕ Increments Blinking Digit ⇒ Sets Digit and moves to next

* **SPAN** ⇒ POS / NEG ⇒ **0000** — SPAN out of Range flash "Err"
Set Blinking Digit ⇕ Increments Blinking Digit ⇒ Sets Digit and moves to next

* **LCH1** ⇒ ON / OFF

* **PLUG PORT** ⇒ OFF / 1MIN / 1HR / 24HR ⇒ **0000** (Set Window)
If OFF is selected, pressing ⇒ will return to menu
Setting > 10% of Range Flash "Err"
Set Blinking Digit ⇕ Increments Blinking Digit ⇒ Sets Digit and moves to next

* **SRO FAULT MON** ⇒ ON / OFF

* **FILTER** ⇒ OFF / 1/4S / 1/2S / 1Sec / 2Sec

* **4 MA SET** ⇒ POS / NEG ⇒ **0000** — Out of Range flash "Err"
Set Blinking Digit ⇕ Increments Blinking Digit ⇒ Sets Digit and moves to next

* **20MA SET** ⇒ POS / NEG ⇒ **0000** — Out of Range flash "Err"
Set Blinking Digit ⇕ Increments Blinking Digit ⇒ Sets Digit and moves to next

SAVE CHNG — **NO** — Both Discards changes — **CHANGES DISCARDED**

YES — Both saves Changes — **SAVING CHANGES**

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One Series Safety Transmitter

PLUG PORT — Un-shaded = Display Toggles

FILTER — Shaded = Display Scrolls

* Denotes shortcut to Save Changes when both buttons are pressed.