Process Indicators

ESM 3700-N

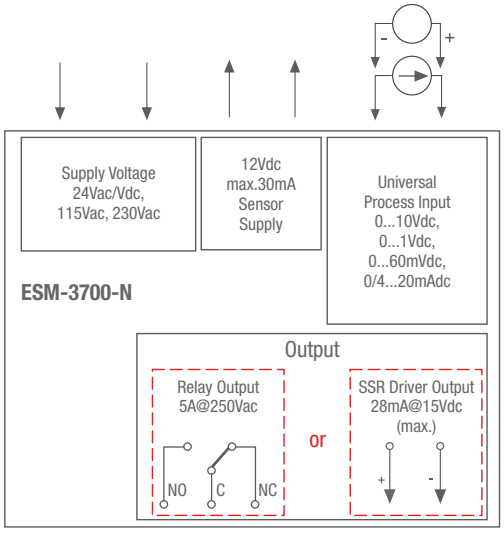
Single SET
Process Indicator



- Adjustable decimal point
- 5 Stage analog input filter option
- Maximum and minimum measurement value are registered to the devices memory
- Maximum or minimum measurement value van be shown continuously on the display

Specifications

4 Digits display
Easily adjustable from front panel
Configurable display scale between -1999 and 9999
Selectable universal process Input
(0-10Vdc, 0-1Vdc, 0-60mVdc, 0-20mAdc, 4-20mAdc)
User can be adjust device's reading value for selected input type
Alarm output, Relay or SSR driver output (It must be determined in order)
Adjustable alarm set value from front panel
Programming mode password protection



Technical Specification

Accuracy: ±0.5%of full scale
Cold Junction Compensation: Automatic ± 0.1°C/1°C
Line Compensation: Maximum 10 Ohm
Sensor Break Protection: Upscale
Sampling Time: 240 ms for 4...20 mAdc and 0...20 mAdc process input
130 ms for 0...60 mVdc process Input
100 ms for 0...1 Vdc and 0...10 Vdc process Input
Input filter: 0.0..900.0 selectable between seconds

INPUT X1 | OUT PUT X1 | Basic Process | 77x35

ESM 3700-N . A . 20 . 0 . E / 00 . 00 / 0 . 0 . 0 . 0

ESM 3700-N (77x35x62,5 mm)

A Supply Voltage
2 24Vac/dc (-%15; +%10) 50/60 Hz
3 24Vac (-%15; +%10) 50/60 Hz
4 115Vac (-%15;+%10) 50/60 Hz
5 230Vac (-%15;+%10) 50/60 Hz

Input Type (DC Voltage/Current) 20
0...60 mVdc Scale /-1999, 9999
0...1 Vdc Scale /-1999, 9999
0...10 Vdc Scale /-1999, 9999 20
0...20 mAdc Scale / -1999, 9999
4...20 mAdc Scale / -1999, 9999

Alarm Output E
None 0
Relay Output (5A @ 250Vac, 1NO + 1NC) 1
SSR Drive Output Module (Maximum 28mA @ 15Vdc) 2