



ENGLISH

Datasheet

Stock No: 1241074

RS Pro 35 x 77mm Process Indicator, DC Linear



At a glance

- 35x77mm size
- 4 digits display
- DC linear input (0-20mA, 4-20mA, 0-1V, 0-10V)
- Display scale can be adjusted between -1999 and 4000
- Decimal point adjustment - zero to three decimal places
- Process unit can be displayed

Overview

The RS Pro Process Indicator has linear mA and V input, rescaled for accurate display of process data.

With selectable input types, easy-to-adjust sampling time and various options for display, the indicator can be set up to meet a user's specific needs.

Key Features

- User calibration
- Selectable sampling time
- Maximum and minimum measured value stored
- Maximum or minimum display modes
- High and low alarm limits
- CE marked



ENGLISH

Specifications:

Inputs

| Input Type | Measurement Range | | Measurement Accuracy | Input Impedance |
|-------------------|-------------------|------|-----------------------|-----------------|
| | Min. | Max. | | |
| 0-1V DC voltage | 0V | 1.1V | ±0,5% (of full scale) | Approx. 100kΩ |
| 0-10V DC voltage | 0V | 12V | ±0,5% (of full scale) | Approx. 100kΩ |
| 0-20mA DC current | 0mA | 25mA | ±0,5% (of full scale) | Approx. 10Ω |
| 4-20mA DC current | 0mA | 25mA | ±0,5% (of full scale) | Approx. 10Ω |



While the current measuring mode, input impedance becomes 5Ω. Therefore, in current mode, the device must not be connected any voltage input. Otherwise, the device is broken. While the device is running in the voltage measurement mode and if required to change to current measurement mode, then firstly the voltage inputs must be removed and after that, input type must be changed to one of the current measurement modes.

Environmental Conditions

| | |
|--------------------------------------|--|
| Ambient / Storage Temperature | 0 ... +50°C/-25 ... +70°C (with no icing). |
| Max. Relative Humidity | 80% Relative humidity for temperatures up to 31°C, decreasing linearly to 50% at 40°C. |
| Protection Class | According to EN60529; Front panel : IP65 Rear Panel : IP20 |
| Height | Max. 2000m |

Electrical Characteristics

| | |
|----------------------------|---|
| Supply Voltage | 230V AC +%10 -%20 or 24V AC/DC ±%10 50/60Hz |
| Power Consumption | Max. 7VA. |
| Wiring | 2.5mm ² screw-terminal connections |
| Date Retention | EEPROM (Min. 10 years). |
| EMC | EN 61326-1: 2013 |
| Safety Requirements | EN 61010-1: 2010 (Pollution degree 2, overvoltage category II, measurement category I). ⚠ EI2041 cannot be used if measurement category II, III or IV is required. |

Housing

| | |
|---------------------------|--|
| Housing Type | Suitable for flush-panel mounting according to DIN 43 700. |
| Dimensions | H35xW77xD71mm |
| Weight | Approx. 350g (after packaging) |
| Enclosure Material | Self extinguishing plastics. |



ENGLISH

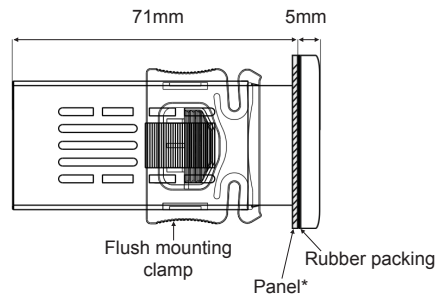
Dimensions:

Front Fascia 35 x 77mm.

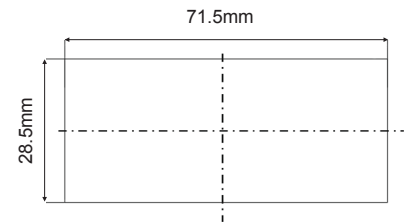
Front



Depth



Panel cut-out



*Panel thickness should be maximum 7mm.

Ordering

| Stock Number | Supply Voltage | Number Outputs |
|--------------|----------------|----------------|
| 1241073 | 230V ac | 1 |
| 1241074 | 24V ac/dc | 1 |