

Auto/Manual Station DCY-2058 / DCY-2059



- Two standard inputs for 4-20 mA, 1-5 Vdc and 0-10 Vdc.
- Up to 2 analog outputs for 4-20 mA, 1-5 Vdc and 0-10 Vdc, galvanically isolated from inputs and power supply.
- Configuration stored in non-volatile memory.

- Configurable as Auto-Manual Station, Manual Station or Automatic Station.
- 11 linearization points of the output signal.
- RS-232 or RS-422/485 Communication.
- Universal Power Supply: 75 to 264 Vac, 50/60 Hz, 24 Vac/dc or 12 Vdc, as ordered.

Order Code DCY- [] - [] - [] - [] - []

Model

2058: 1/8 DIN case, vertical display
2059: 1/8 DIN case, horizontal display

Version

1 - Single Loop
2 - Dual Loop

Power Supply

1 - 75 to 264 Vac 50/60 Hz or 100 to 360 Vdc (any polarity)
2 - 24 Vac or 24 Vdc ($\pm 10\%$)
3 - 12 Vdc ($\pm 10\%$)
4 - Others, upon request

Communication

0 - None
1 - RS-232
2 - RS-485
3 - RS-422

Case Protection Grade

0 - General usage, protected place
1 - Front Aspersión-proof
2 - Weather-proof - IP66

Dimensions
310 x 310 x 200 mm (HxWxD)

Weight
11 kg nominal

Specifications

Inputs

Two configurable inputs for 4-20 mA, 1-5 Vdc and 0-10 Vdc, selected by the user. 250 Ω input impedance for mA, $>10\text{ M}\Omega$ for 5 Vdc and 2 $\text{M}\Omega$ above 5 Vdc.

Outputs

Analog 4-20 mA (750 Ω maximum load), 1-5 Vdc or 0-10 Vdc. Up to 2 optional modules galvanically isolated to 300 Vac from power supply and inputs

Serial Communication

RS-232 or RS-422/485 with 50 Vdc isolation. MODBUS®-RTU Communication Protocol.

Indication

DCY-2058: Two 4-digit red leds display (9 mm).
DCY-2059: Two 4-digit red leds display (9 mm and 14 mm).
Can be configured together with the decimal point.

Configuration

By front-panel push-buttons and internal jumpers.

Sampling Rate

Simple Station: 64 ms standard. Half second display update rate.
Dual Station: 120 ms standard. 0.6 seconds display update rate.

Accuracy

$\pm 0.5\%$ of full scale for input indication and output generation.

2-wire transmitter Power Supply

24 Vdc/50 mA maximum, isolated from output, with short circuit protection.

Power Supply

75 to 264 Vac 50/60 Hz or 100 to 360 Vdc
(10 W nominal); 24 Vac/dc ($\pm 10\%$); 12 Vdc ($\pm 10\%$).

Operating Range

0 to 60 °C temperature and 90 % maximum relative humidity.

Dimensions

DCY-2058: 1/8 DIN (96 x 48 x 187 mm) HxWxD,
(92 x 45 mm) HxW panel cutout.
DCY-2059: 1/8 DIN (48 x 96 x 187 mm) HxWxD,
(45 x 92 mm) HxW panel cutout.

Weight

0.5 kg nominal.

Warranty

One year.