![Orangetraffic logo]

Wavetronix Click 104 Four-Channel Contact Closure Module

Wavetronix

The Wavetronix Click 104 is a contact closure module that is used as an interface between the SmartSensor™ HD radar and traffic controller. It can be plugged into any standard NEMA TS1/TS2, 170 or 2070 control cabinet.

Description

The Click 104 converts real-time serial traffic data collected by the SmartSensor™ HD into contact closure signals.

The device is extremely easy to install. It mounts onto a standard DIN rail and is hot swappable. Also, it is equipped with keyed removable screw terminals for ease of wiring.

It is equipped with two independent communications buses that enable device configuration without interrupting data flow:

- Bus 1:
    - Two RJ-11 jacks for RS-485 communications
    - One pluggable screw terminal for RS-232 communications
- Bus 2:
    - One 5-position connector for power and RS-485 communications to and from the T-bus
    - Two pluggable screw terminals for contact closure outputs

The Wavetronix Click 104 module comes with the Click! Supervisor software that runs on Pocket PC and Windows and provides the following features:

- Configuration of serial communication settings including serial baud rates
- Configuration of output mapping settings according to lanes
- Remote upgrading of the firmware

The Click 104 contact closure module is sold with a one-year warranty that covers parts and labour. (Refer to the Wavetronix warranty card for details.)

Specifications

Fail-safe mode

The card enters fail-safe mode if it loses communication with the radar for more than 10 seconds (or the configured time). All outputs are asserted in fail-safe mode and the card exits fail-safe mode when communication with the radar is restored.

Contact closure output characteristics

- Dissipate up to a 600 W power surge received on any terminal
- Contact closure output terminals can withstand 50 V continuously
- Contact closure output impedance is less than 8 Ω in conduction state
- Contact closure outputs in non-conducting state leak less than 1 µA
- Contact closure outputs can switch up to 150 mA

Miscellaneous characteristics

- Solid state outputs
- Faceplate LED indicators
- Compliant with EN 61000-4-5 Class 4 standard for lightning surge protection on the DC input
- Conformal coating

Technical characteristics

- Power supply: 9–28 VDC
- Power consumption: 1 W
- Operating temperature range: -34 to +74°C (-29 to +165°F)
- Maximum operating relative humidity: 95%
- Dimensions: 11.4 x 10.2 x 2.3 cm (4.5 x 4 x 0.9″)
- Weight: 140 g (0.3 lb)

For more information: 1 800 363-5913

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