The DPMI940 is a four way dry contact interface designed to allow mechanical switches and relays to interface to the DyNet network. The function of each input is programmable and the small size of the product combined with the inputs being presented on flyleads makes it perfect for installation behind multi-gang switch grids. In addition to use as a simple dry contact interface, the DPMI940 has a "motion detector" mode that turns a third-party motion detector into a fully featured DyNet sensor. The flylead that connects to the motion relay and tamper switch also has a 0V and +12VDC pair for powering the motion detector from the DyNet network power supply. The small size of the DPMI940 allows it to be fitted completely inside many brands of motion detectors.

technical data ⟫⟩

DPMI940

Supply
12V at 20mA, from the DyNet network

Control IO
1 x RS485 DyNet serial port

Inputs
4 x dry contact inputs

Dry Contact Flyleads
+12V, GND, GND, SW1, SW2, SW3, SW4; all presented on a 2mm pitch x 160mm long ribbon cable

Serial Port Terminals
SHIELD, GND, D+, D-, +15V
1 x 2mm^2 max conductor size

Diagnostic Functions
Device Online/Offline status

Compliance
CE, C-Tick

Operating Environment
0º to 50ºC ambient temperature
0% to 95% RH non condensing

Construction
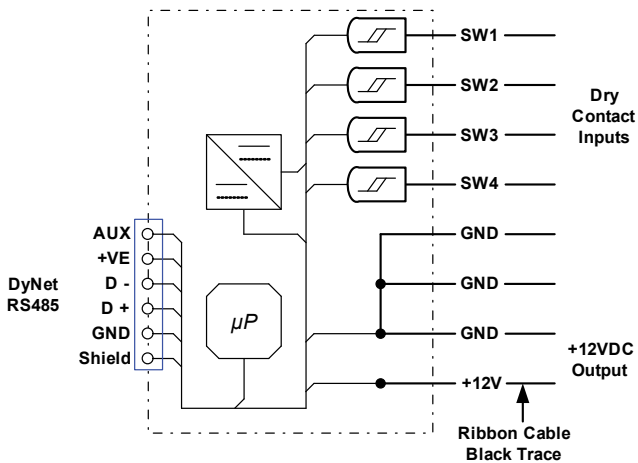Bare circuit board with heatshrink cover

Dimensions
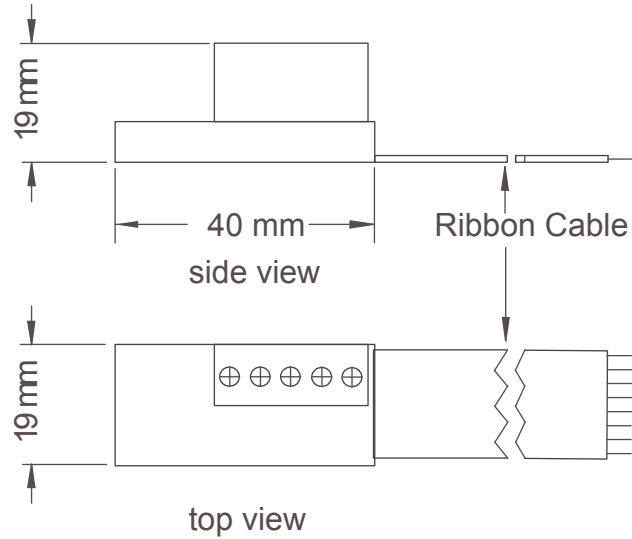H 19mm x W 40mm x D 19mm

Weight
Packed weight 15.5 grams

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electrical diagram))⟩

DyNet RS485

AUX
+VE
D -
D +
GND
Shield

µP

SW1
SW2
SW3
SW4

Dry Contact Inputs

GND
GND
GND

+12VDC Output

+12V

Ribbon Cable Black Trace

mounting dimensions))⟩

19 mm

40 mm

Ribbon Cable

side view

19 mm

top view

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For further information contact: