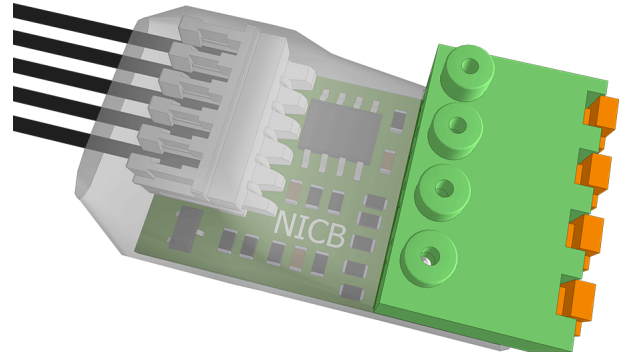# ascom

NICB - Connection Board

Features

- Comes as a kit complete with 4-pole connector (NICT-4AA) and cross cable (R190193)

- Designed for use with existing switch modules, mountable in back box

- Up to (2) external inputs of Normally Closed (N.C.) or Normally Open (N.O.) type

- External Inputs can be used to monitor potential-free relay contacts

- Filters and protects the switch modules from ESD (Electrostatic Discharges) and EFT (Electric Fast Transients)

- Up to 10m/33ft cable length between NICB and external contacts

Description

The Connection Board is designed for use in the teleCARE IP system, in combination with the following teleCARE IP switch modules:

- Bed Module (NIBM2)

- Door Side Module (NIDM)

- Toilet Cancel Module - Active (NITC-xxA)

- Room Display (NIRD)

- Multi General Alarm Module (NIGA-x4A), not for US market

The Connection Board has a 5-wire cross cable with connector for the connection to the switch module.

The NICB comes in a heat shrink wrap. Due to it small size it easily fits in the back box behind the switch module.

The NICB-kit contains a 4-pole connector (NICT-4AA) and a cross cable (R190193).

The Connection Board can monitor up to (2) external inputs. These inputs must be potential free contacts. Each contact can be Normally Open (N.O.), or Normally Closed (N.C.)*. This can be set independently in the configuration of the System Manager (NISM2).

IMPORTANT: *Due to hardware limitations of the passive bus circuitry on the Doorside Module (NIDM) and the active Toilet Cancel Module (NITC-xxA), only Normally Open (N.O.) contacts can be used when the NICB is going to be connected to the NIDM or NITC.*

The NICB filters and protects the switch modules from ESD (Electrostatic Discharges) and EFT (Electric Fast Transients).

Technical Specifications

Markets:		EU	US	ANZ
Item number	**NICB-AAA: Connection Board Kit**	•	•	•
Housing material	Enclosed in a heat shrink wrap			
Dimensions (W x H x D)	18 x 28 x 13 mm / 0.71 x 1.10 x 0.51 inch (shrink wrap part only)			
Electrical connections	1 x 4-pin connector for connecting external inputs			
	1 x 5-pin connector for connecting to teleCARE IP module			
Power input	5.5Vdc (from the teleCARE IP module)			
Current consumption	Idle:1mA Max. 2mA at 5.5Vdc			
Environment:	Operating temperature: 0°C to 40°C / 32°F to 104°F Storage temperature: -25°C to 55°C / -13°F to 131°F Relative Humidity: 30 to 85% (non condensing) Enclosure protection rating: IP20	•		•
Environment: (UL 2560 installations)	Operating temperature: 10°C to 49°C / 50°F to 120°F Storage temperature: -25°C to 55°C / -13°F to 131°F Relative Humidity: 0 to 95%, non condensing at 40°C / 104°F Enclosure protection rating: IP20		•	
Regulatory Compliance EU/EFTA	CE ☒ VDE 0834 RoHS 2011/65/EU and EMC 2014/30/EU Complies with the relevant dates and amendments of the following EN standards (the valid references to dates and amendments are stated in the Declaration of Conformity): EN 55032 EN 55024 EN 60950-1 HTM08-03	•		
Regulatory Compliance US/CAN	UL CERTIFIED SAFETY SIGNALING ANSI/UL 2560 CAN/CSA C22.2 No. 205 FCC part 15B ICES-003		•	
Regulatory Compliance Australia / New Zealand	RCM EMC: EN 55032 AS 3811			•
Accessories:	NICT-4AA: Connector terminal 4-pole			
	R190193 Cross Cable			