

KT-NCC Controller name: _____

Serial no.: _____

IP Address #1: _____ MAC Address #1: _____ IP Address #2: _____ MAC Address #2: _____

IP Address is Fixed DHCP IP Address is Fixed DHCP (Reserved address recommended)

RS-485 Loop #1 Name: _____ Relay #1: _____

RS-485 Loop #2 Name: _____ Relay #2: _____

RS-232 Loop #3 Name: _____ Relay #3: _____

_____ Relay #4: _____

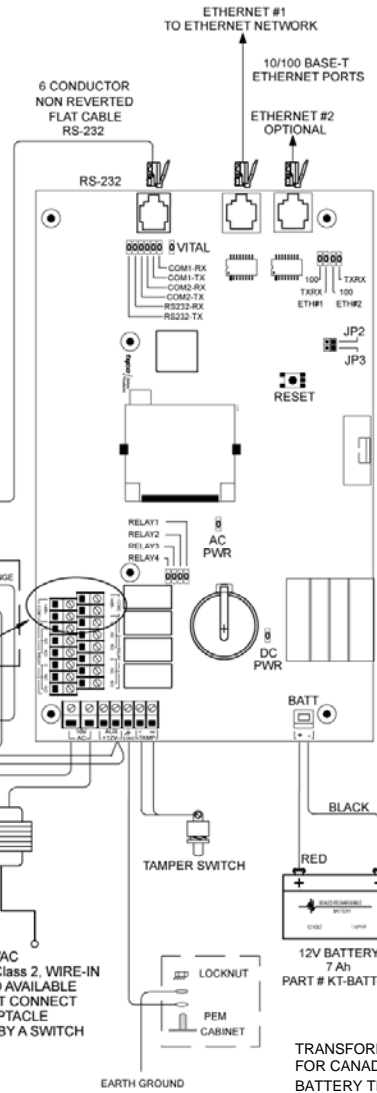


For more information on the KT-NCC, please refer to the *KT-NCC Installation Manual*, DN1611 and the *KT-NCC Quick Configuration Guide*, DN1656

Heartbeat / Vital LED Patterns			Heartbeat / Vital LED Patterns		
Pulses	Description	5 sec.	Pulses	Description	5 sec.
1 flash/sec	KT-NCC is communicating with the server.		Fast flashes	KT-NCC is no longer communicating with the server.	
Steady on (15-30 sec)	KT-NCC is starting up.		Quick flashes (15-30 sec)	Preparing to reboot. DO NOT POWER DOWN OR RESET DURING THIS PROCESS	
Quick flashes (May last up to 90 sec.)	Firmware update. DO NOT POWER DOWN OR RESET DURING THIS PROCESS		4 flashes on per sec/1 sec steady off	KT-NCC is in hard reset mode.	
1 long flash/sec	KT-NCC is in factory reset mode.				

IMPORTANT:

- THE CONNECTION TO THE MAIN SUPPLY MUST BE MADE AS PER THE LOCAL AUTHORITIES RULES AND REGULATIONS IN THE UK AS PER BS6701. IF DURING THE INSTALLATION A KNOCKOUT IS REMOVED, IT IS THE INSTALLER'S RESPONSIBILITY TO ENSURE THAT THE SAME DEGREE OF PROTECTION FOR THE CABINET IS PROVIDED BY THE USE OF BUSHINGS, FITTINGS, ETC.
- THE EQUIPMENT IS INTENDED TO BE INSTALLED BY SERVICE PERSONNEL ONLY OR EQUIVALENT (E.G. PERSONS HAVING APPROPRIATE TECHNICAL TRAINING AND EXPERIENCE NECESSARY TO BE AWARE OF HAZARDS TO WHICH THEY ARE EXPOSED).
- INTERNAL WIRING SHALL BE ROUTED IN A MANNER THAT PREVENTS:
 - EXCESSIVE STRAIN ON WIRES AND ON TERMINAL CONNECTIONS;
 - LOOSENING OF TERMINAL CONNECTIONS;
 - DAMAGE OF CONDUCTOR INSULATION.
- THE POWER SUPPLY SHALL MEET THE APPLICABLE REQUIREMENTS OF THE LOW VOLTAGE DIRECTIVE, AND MUST BE PERMANENTLY CONNECTED AND PROTECTED, AS PER THE EN60950 STANDARD REQUIREMENTS.
- IN NORWAY: THE CONNECTION OF THE POWER SUPPLY MUST BE MADE AS PER THE LOCAL RULES AND REGULATIONS (NATIONAL DEVIATIONS).
- ALL CIRCUITS ARE CLASS 2 POWER LIMITED EXCEPT THE BATTERY WIRES.
- SEPARATION OF CIRCUITS BETWEEN POWER LIMITATION AND NON POWER LIMITATION NEEDS TO BE A MINIMUM OF 0.63 CM (0.25 IN).



Hard Reset:

- Remove JP2 and press Reset.
- Put JP2 back in place.

Factory Reset:

- Remove JP2 and JP3, and press Reset.
- Put JP2 and JP3 back in place.

Up to 32 access controllers on RS-485 network, Ethernet cable category 3, Unshielded, 4 conductors, up to 1200 m (4000 ft) from the KT-NCC and last controller.

CAUTION:
Danger of explosion if lithium battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

MODEL KT-NCC Network Communications Controller
Commercial Proprietary Control Unit Accessory
(Compliant with UL 1076, section 83.2)

INPUT: 16.5VAC, 40VA, CLASS 2 transformer
RATING: 16.5 VAC, 40VA, 2.42A
BATTERY BACK-UP, 1 GEL TYPE BATTERY, 12 VOLTS, 7Ah

SECURITY LISTED Access Control Unit 34GN

TRANSFORMER MODEL: FOR US TR1640P/UL, FOR CANADA TR1640P/CSA
BATTERY TESTED FOR 2.5 HOURS STANDBY OPERATION FOR UL294