



7798C (SLI)

I/NET® Seven

The 7798C sub-LAN interface (SLI) functions as an intelligent hub managing a network of MicroControllers and other controllers in a larger I/NET® distributed control system.

The SLI provides global functions for the MicroControllers, including: Access-initiated Control, Elevator Control, Event-initiated Control, Trending, Runtime Accumulation, Automatic Time Scheduling, Calculations, Anti-passback and periodic synchronization of the local clocks in the MicroControllers.

The 7798C supports up to 32 MicroControllers.

Configure the 7798C's internal settings (i.e., the controller LAN address, Tap emulation, baud rate, etc.), by connecting it to a PC via the serial port. You can then perform the necessary configuration tasks using a utility that emulates a hand-held console (HHC).

Recommended power supply: XFMR6 (Refer to transformers datasheet)

Installation guide: TCON311

TECHNICAL DATA

Communication Ports:

Controller LAN Port
 Baud Rate9,600 or 19,200 baud
 ProtocolProprietary
 TransportRS 485 SDLC token passing
 Connector2-part screw terminal

Sub-LAN port
 Baud Rate9,600
 ProtocolProprietary
 TransportRS 485 asynchronous,
 polling (open or closed loop)
 Connector2-part screw terminal

Direct Serial Port
 Baud Rate1,200 to 9,600 baud
 ProtocolProprietary
 TransportRS 232 - PC or
 asynchronous
 modem at 9,600 baud

Network Wiring Requirements:

Length5,000 feet/1524m per segment
 Extended Length25,000 feet/7620m with
 repeaters
 Connector2-part screw terminal
 Cable TypeBelden 9184 or equivalent
 twisted pair shielded
 Cable Size<22AWG
 Impedance85 to 150 Ohm
 Capacitance>30pF/ft between
 conductors and >55pF/ft

Hardware Details:

ProcessorZilog Z181
 EPROM32KB
 Static RAM1024KB
 Non-volatile Memory ..512Bytes
 Battery supportOnboard NiMH,
 rechargeable, 300 hours
 FirmwareDownloaded to battery backed
 RAM
 Clock/CalendarBattery backed

conductor to shield

TECHNICAL DATA

Physical Details:

Backplate Dimensions6.50"L x 8.00"W x 1.75"D
 (16.51 x 20.32 x 4.44 cm)
 PCB Dimensions8.00"L x 9.63"W x 0.25"D
 (20.32 x 24.46 x 0.64 cm)
 Weight1lb (0.454 Kg)
 Operating Temperature ..32°F to 104°F (0°C to 40°C)
 Operating Humidity10-90% RH, Non condensing
 Power Requirements24Vac, ±10%, 50/60Hz,
 10VA (max)

Controller Capacities:

General

Channels1 Sub-LAN per 7798
 Number of
 Station Addresses1 per 7798
 Number of controllers
 per Sub-LAN32

Controller Types

Door Process Controls. ..32 per 7798
 Digital Input Unit32 per 7798
 Digital Input/Output
 Unit32 per 7798
 Micro Controller Units32 per 7798

LED Details:

PowerIndicates power is on
 (blank)not used
 TXA1Transmit to sub-LAN
 RXA1Receive from sub-LAN
 TXA0Transmit to PC
 RXA0Receive from PC
 DCD0Modem carrier detect
 TXDTransmit to controller LAN
 RXDReceive from controller LAN
 DCDnot used

Listings:

UL916 (pending)Energy management
 equipment

CE certified

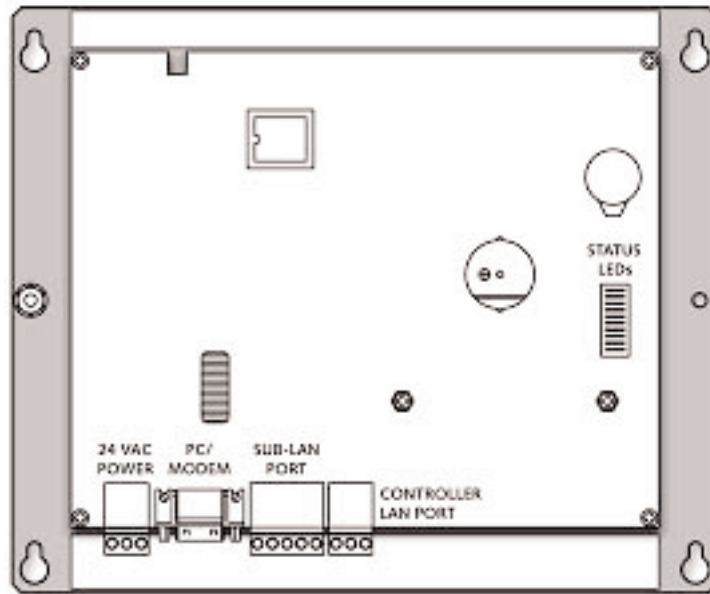
Part numbers:

Standard

7798CController with 1024K RAM

Supporting Hardware:

Recommended Power Supply..... XFMR6, (110v)
 XFMR7, (220v)
 Cable for PC-emulated HHC..... CBL082



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