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Type EM-LON



LONWORKS INTERFACE FOR EASYLAB CONTROLLERS AND ADAPTER MODULES

Expansion module for EASYLAB fume cupboard controllers, room controllers, extract air controllers, supply air controllers, and adapter modules, for the integration of rooms or individual volume flow controllers with the central BMS

- LonWorks FTT-10A interface
- Communication only using standard network variables (SNVT)
- The expansion module is fitted into the casing with the EASYLAB base component
- Easy retrofitting
- Double-stack terminal blocks for the LonWorks network
- Service pin push button and corresponding indicator light

Interface to central BMS

- When used on a controller with active room management function (RMF) the module provides also data points for the entire room, e.g. for total volume flows or consolidated alarms
- When used on a single controller: data points for volume flow rate, alarm, damper blade position, or others
- Centralised operating mode default setting, e.g. night-time operation

Application

- Expansion module Type EM-LON for the EASYLAB system
- LonWorks FTT-10A interface to the central BMS
- Data points for individual controllers or for the room
- Room interface: Default setting of room operating modes within the EASYLAB system, increase or reduction of the air change rate, readout of the actual room operating values or evaluated damper blade positions, consolidated alarms
- Controller interface: Operating mode default setting for a single fume cupboard controller, readout of individual operating values such as volume flow rates for single controllers, or individual alarms
- Can be used with fume cupboard, supply air, extract air or differential pressure controller EASYLAB TCU3 and with adapter module TAM
- For use in laboratories, clean rooms in the pharmaceutical and semiconductor industries, operating theatres, intensive care units, and offices with very demanding control requirements
- Factory mounted or for retrofitting into the EASYLAB base component casing

Special characteristics

- LonWorks free topology network with an arbitrary number of branches (star, line, and arbitrary combinations)
- Communication only using standard network variables (SNVT)
- Data interface for an EASYLAB controller or for an EASYLAB room with different functional profiles
- System integration (binding) into the LonWorks network is required

Parts and characteristics

- Microprocessor with basis programme stored in nonvolatile memory to load LonWorks applications
- LonWorks transceiver FTT-10A – free topology – twisted pair
- Double stack terminal block for LonWorks network (simple wiring)
- Service pin push button and corresponding indicator light for sending the Neuron ID required for system integration
- Two indicator lights to indicate 'sending data' and 'receiving data'

Construction features

- PCB dimensions and fixing points correspond to the EASYLAB main PCB and the casing
- Fixing with screws
- Pin header to connect the module to the main PCB of the TCU3 or TAM

TEKNISK INFORMATION

Function, Technical data, Specification text, Order code, Related products 

Single controller, EASYLAB room, LonWorks interface, Product details 

Installation details 

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Lindpro AB



Berglundavägen 12C
SE-70236 Örebro
SVERIGE
Tel.: +46 (0) 19 12 37 40
Mobil: 070-587 27 25
Email: larsgoran@lindpro.se

Online tjänster

➤ [Kontakta oss](#)

Service

Lindpro AB

Tel.: +46 (0) 19 12 37 40

Mobil: 070-587 27 25

Email: larsgoran@lindpro.se