



Connection manual Eltex Yarn Expert



General Description

The EYE Control Unit 11700/11701 can handle up to 96 sensors (6 x 16 sensors). Sensors are available with maximum 12 eyelets. In total the control unit can handle $16 \times 6 \times 12 = 1152$ signals.

The unit has six digital inputs and six digital outputs, plus two pulse inputs. The unit can handle six different machines with start and stop signals.

Also available on the unit are a Modbus connection for operator terminal, a CAN bus, an MMC memory card for data storing. Model 11701 also has an Ethernet connection (RJ-45).

There are two separate 24 V power inputs, one for the EYE unit and one for the I/O section. If there is no need for isolated I/O, the power inputs can be interconnected (jumpers indicated in the connection scheme).

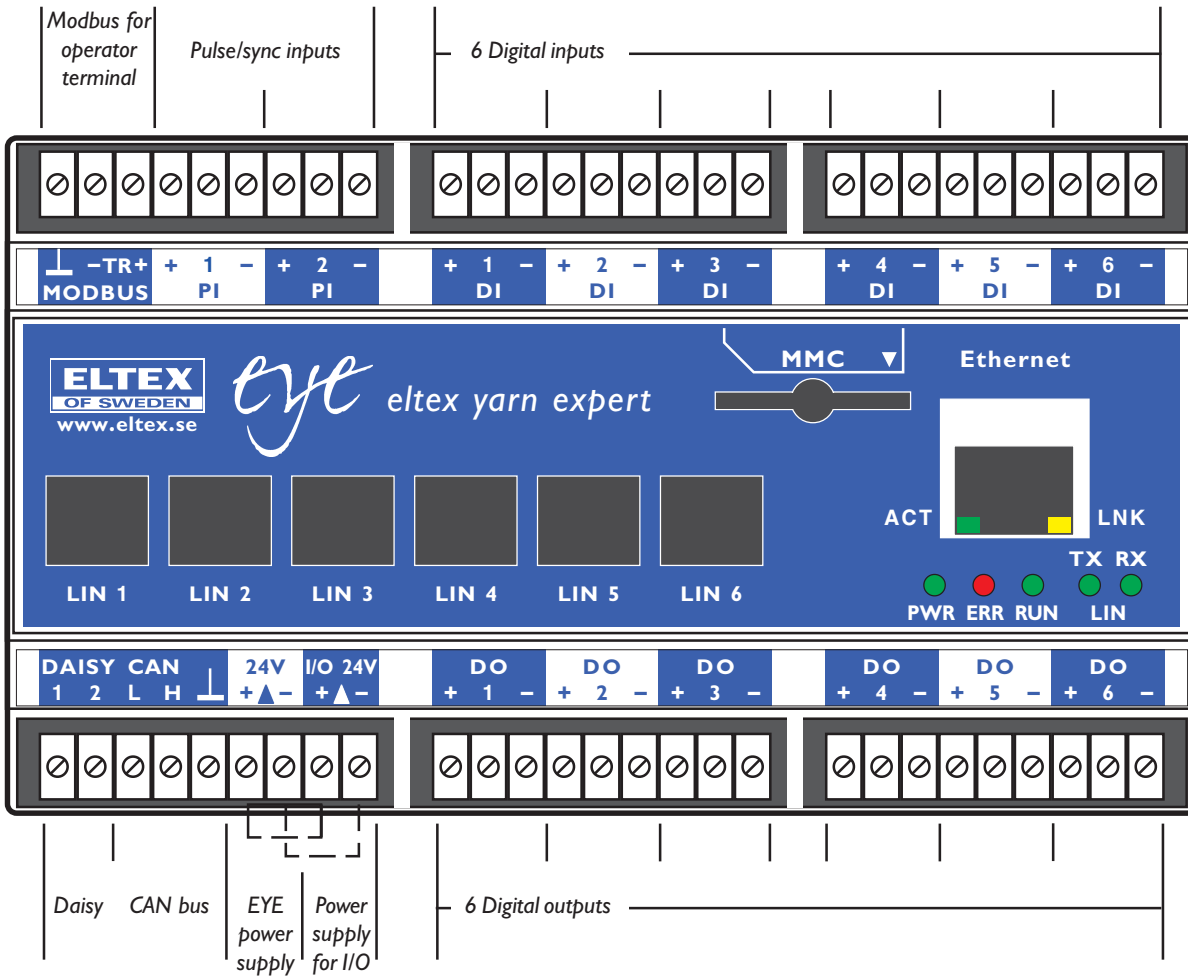
Characteristics

Eltex part no.	11700 11701 (with Ethernet connector)
Supply voltage	24 V DC (18–30 V)
Current consumption	
Control unit 11700/11701	100 mA (add output loads)
Operator terminal 3,5" monochrome 11792	350 mA
Operator terminal 5,7" colour 11795	450 mA
Yarn break sensor 17700/17701	15 mA each
17710/17720/17780	35 mA each
Digital outputs	High = (I/O supply voltage - 1 V DC). Sourcing
Maximum load	500 mA/output, total max. 2 A
Digital inputs	0–5 V DC = low, 15–30 V DC = high
Ambient working temperature	+5/+40°C
Casing	DIN rail box
Dimensions	158 x 90 x 58 mm

Ethernet (EYE Control Unit 11701)

LED	Colour	Indication
ACT	green	Network Activity/Diagnostic
LNK	yellow	Network Link

LED	Colour	Indication
PWR	green	Unit is powered up
ERR	red	Error indication
RUN	green	Run mode status
LIN TX	green	LIN bus TRANSMIT
LIN RX	green	LIN bus RECEIVE



6 LIN bus modular connectors RJ12



The LIN bus cable is connected with pin 1 to pin 1.
 Total cable length for one bus (max. 16 sensors) is maximum 30 m.

We reserve ourselves the right to modify the design without notice.



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