

TSN-E DOT MATRIX DISPLAY

APPLICATION AREA

TSN-E dot matrix displays are meant to present warning or information messages for underground transportation systems to enhance safety of personnel and improve organization of transport operations. The content of displayed messages stored in the device memory is agreed upon with the user at order submission according to specific needs.

APPLICATION CONDITIONS

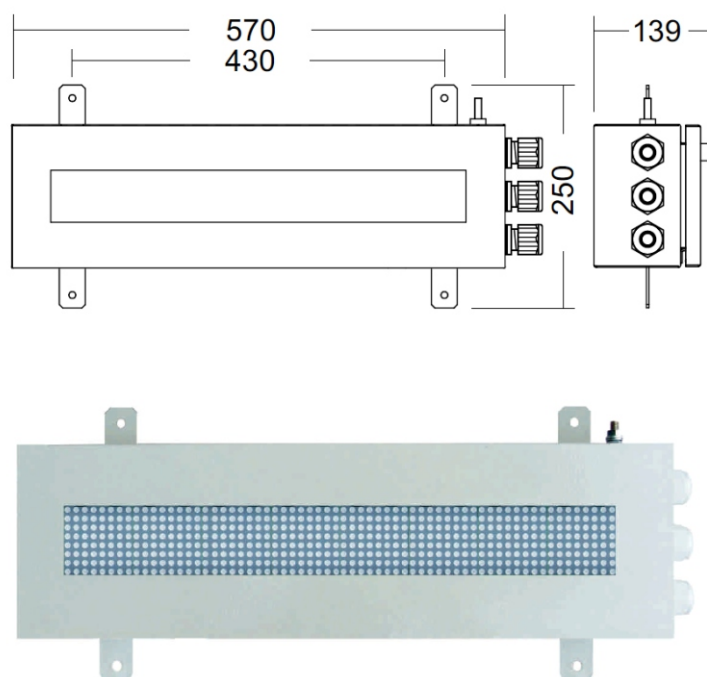
TSN light message boards are suitable for working areas of underground operations without the hazard of methane explosion and the ones with the 'a' degree of methane explosion hazard as well as with the 'A' class of coal dust explosion hazard at ambient temperatures from 0°C to 40°C, relative humidity up to 95% and the 'C' degree of corrosion aggressiveness to PN-71/H-04651).

CHARACTERISTICS

Messages to be displayed can be selected locally by means of switches provided on the device enclosure. In case of remote control the messages are popped out from the memory upon commands received via input contacts. Displaying of messages is controlled with use of voltage available in internal circuits of the device. The dot matrix display is furnished with a relay output to control any other slave devices. The display can be mounted in whichever position and messages are always displayed correctly since cable inlets are provided at both at left-hand and right-hand side of the device. Displayed messages can be scrolled at two selectable speeds.

TECHNICAL SPECIFICATION

TYPE	TSN-E
Rated voltage	24 ÷ 250V AC 30 ÷ 360V DC
Maximum consumption of current	200 mA
Number of messages to be displayed	16
Range of operation temperatures	0°C ÷ +40°C
Enclosure index of protection	IP 54
Colour of displayed messages	Red
Overall dimensions (W x H x D)	610 x 250 x 139 mm
Message area (W x H)	480 x 60 mm
Weight	7 kg
Maximum cross-section of connecting conductors	0.5 ÷ 4 mm ²



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