PROENS

ASB-8D

ANNOUNCEMENT RELAY

The PROENS relay announcement combinations realize the indication and routing progresses of the all defects and failures that will probably occur on the protection cells in electric networks. It is a micro-controller based device.

There are 8 PCS of announcement Inputs and 3 pcs of announcement Outputs on the device. By way of these Inputs, it becomes able to process and route the defect announcement information.

Announcement relay(*option) can work in full accord with Modbus RTU communication output and scada system.

With the internal buzzer property, the announcement relay can provide sound alarm without the need of external sound alarm hardware.

The transmission of HORN, BELL and INTERNAL FAULT announcements are provided through the output relays.

Relay input configuration can be done by dip switches rear of box.

The LEDS that are placed on the device are double colored as GREEN and RED.

The speed of signal processing and signal transmission is lower than 16msec. Thus, the excessive circuit in the high and medium voltage use doesn't interfere in the relay coordination.

Working Principle:

Leds:

1.Led Modes:

*Steady: After the input signal is acknowledged , signal is not exist more.

*Flash : The announcement signal is recognized but it is not confirmed.

Led Colors:

·Red: Horn ·Green: Bell

2.:OUTPUTS

·HORN Relay: It pulls the ignition when an announcement input signal which Switch Position-1

·Bell Relay: It pulls the ignition when an announcement input signal which Switch Position-0

·Common Relay: It pulls the ignition when an announcement input signal which Switch Position-1 or Positon-0

3.BUTTONS:

·ACK Button: It provides the recognized announcement information to be confirmed by the operator.

·DEL Button: It switches off the stable continuous leds.

·STOP Button: It releases the Buzzer, Horn and silences the buzzer.

·Lamb Test Button: It is used to check the conditions of the leds.

TECHNICAL PROPERTIES

Operating Voltage	24 VDC,48 VDC,110 VDC	Color of Indicator	Red,Green
Voltage Variation	(0,8-1,2)*Un	Buttons	20.000 Presses
İAnnouncement Voltage Input	24VDC,48VDC,110VDC	Alarm Ack Button	YES
Announcement Input Current	1.3mA	Lamp Test Button	YES
Contact Currents	5A -24VDC 110VDC-0.3A	Del Button	YES
Number of Announcements	8	Stop Button	YES
Number Relay Outputs	3	Fail Safe Led	YES
Internal Sound Alarm	Buzzer * 80db @5cm	Horn Bell Led	YES
Filtering Time	5.5 msec	Assembly	To front of the panel
Transmission Time	10 msec	Cable Section	2,5 mm max.
Communication (*CM)	Modbus RTU-19200 Baud	Operating Temperature	.-20 + 55 ºC
Communication Isolation (*CM)	2.5 KV	Protection Class	IP 20
Indicator	Led 100.000 hour	Weight	*
		Dimensions	72x144x75

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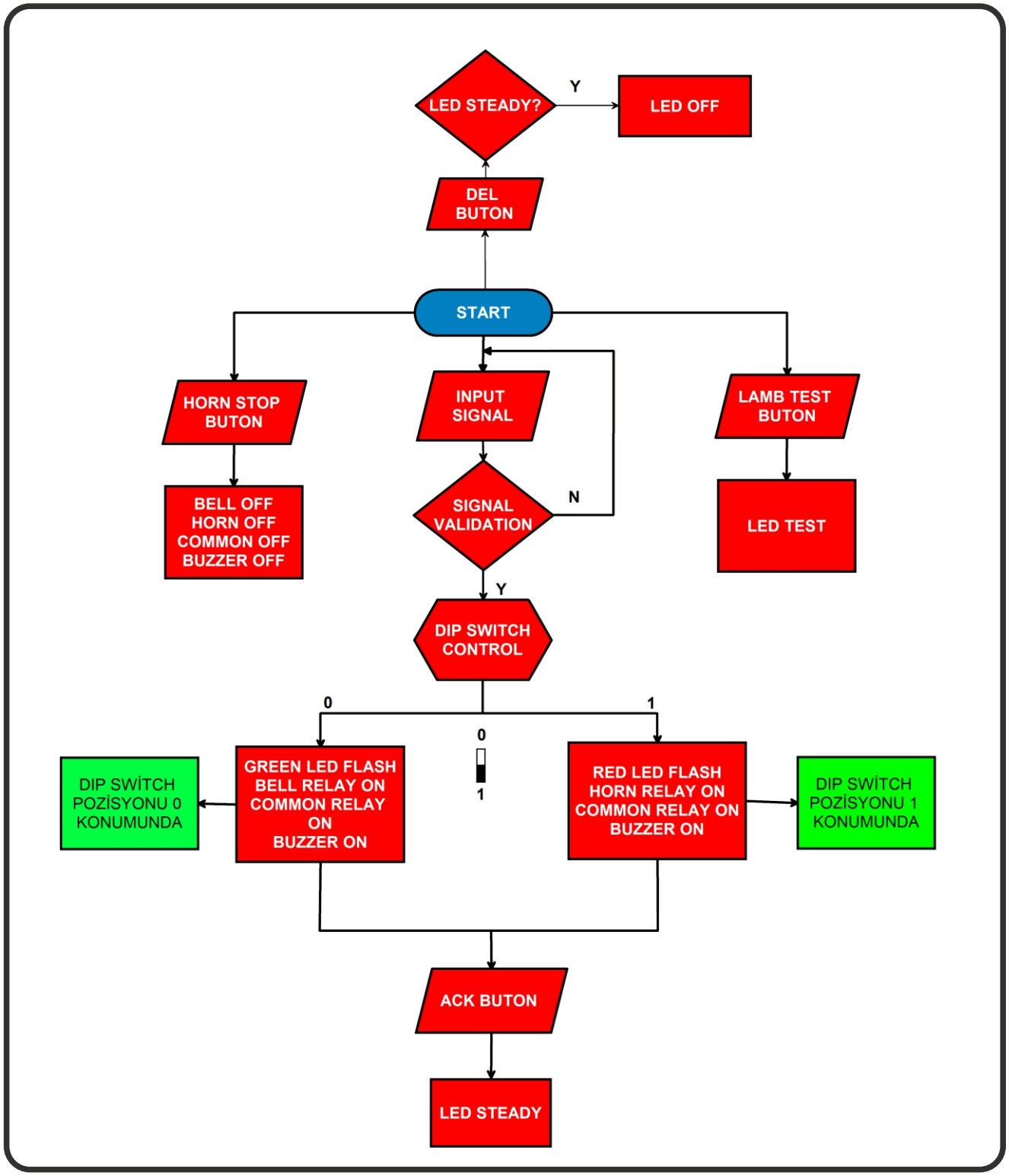
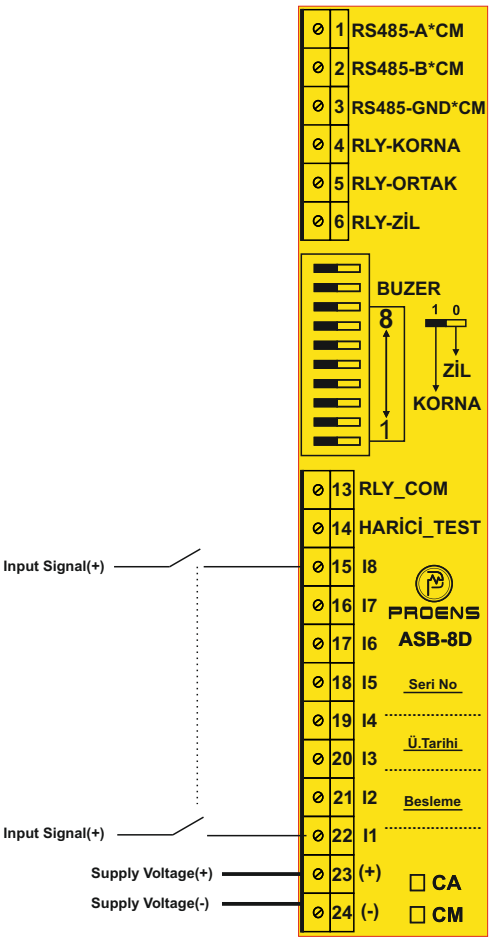
WORKING DIAGRAM



ORDERING TABLE

CODE	Description
ASB-8D-CA-24VDC	24VDC Aux. Suppy Without Communication
ASB-8D-CA-48VDC	48VDC Aux. Suppy Without Communication
ASB-8D-CA-110VDC	110VDC Aux. Suppy Without Communication
ASB-8D-CM-24VDC	24VDC Aux. Suppy With Communication
ASB-8D-CM-48VDC	48VDC Aux. Suppy With Communication
ASB-8D-CM-110VDC	110VDC Aux. Suppy With Communication

CONNECTION DIAGRAM



BOX DIMENSION (mm)