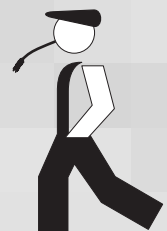


DOL 2020 alarm

Technical Info



PRODUKT DESCRIPTION

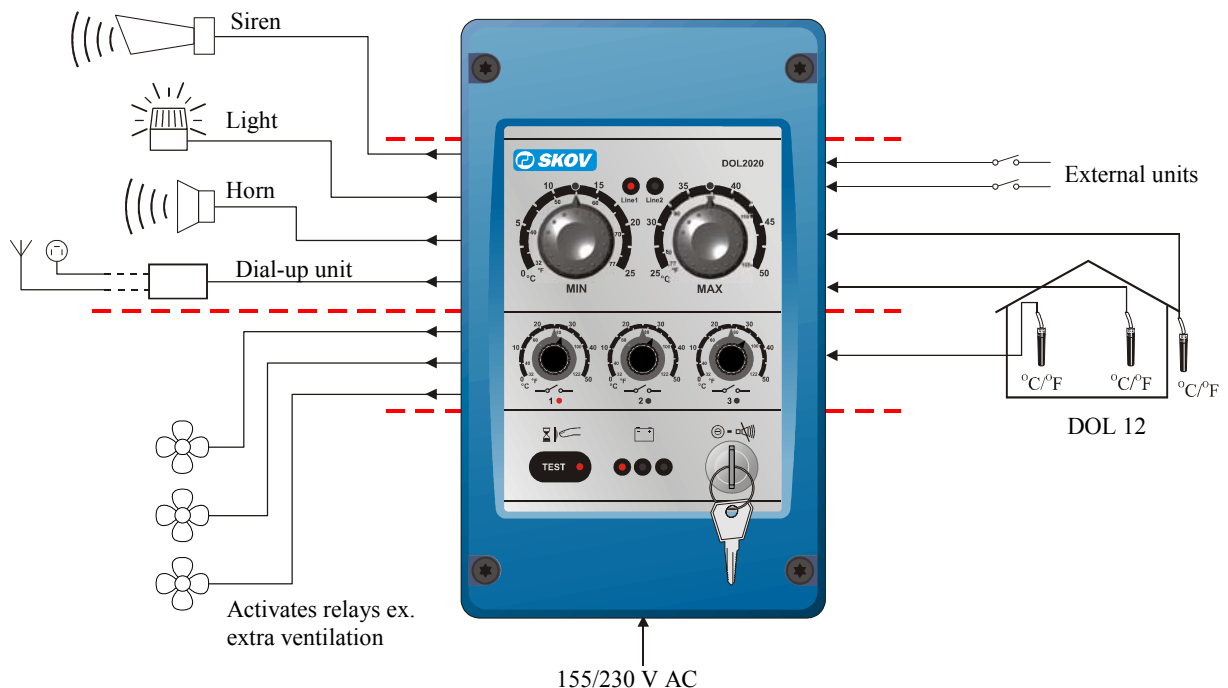
DOL 2020 is an alarm system for monitoring inside temperature, empty silo etc. combined with three backup thermostats. DOL 2020 is primarily used for monitoring the temperature in one house section and can by means of the backup thermostats activate e.g. extra ventilation in three steps.

Function Description

- Minimum and maximum temperature alarm
- On-off switch for alarm stop
- Simple alarm test
- Reminder function – lowering the temperature settings (Batch control)
- Lamps indicating:
 - temperature alarm
 - alarm from external units
 - active backup function
 - battery voltage
 - mains failure/phase break

Possible Connections

- Three temperature sensors (two inside temperature sensors and one outside temperature sensor)
- Horn
- Light
- Local siren
- External dial-up unit
- Two external units (ex. climate computer)



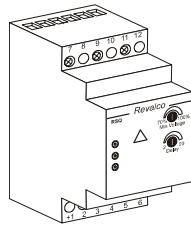
PRODUCT SURVEY

Figure

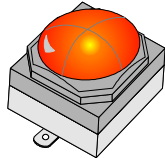
Description



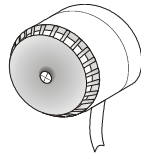
134800 DOL 2020 alarm incl. of add-on box
Incl. three temperature sensors.



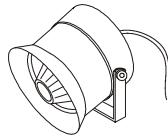
140006 Phase break relay 3x400V
Must be bought separately.



140007 Rotating beacon 12V



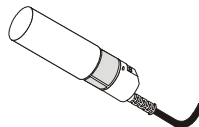
140010 Siren 12-24V 30mA 10-112dB



140011 Siren 12V dc 1.7A 130 dB



140005 Danfoss pressure monitor RT200
The RT 200 Danfoss pressure monitor is used for surveying the water pressure.
Pressure range: 0.2 to 6 bar.
The pressure monitor has a replaceable switch system and adjustable difference.



100671 DOL 41R capacitive sensor
The DOL 41R is used for feed, grain and solids, e.g. for level monitoring in silos and containers.

TECHNICAL DATA

DOL 2020 Alarm

Mains supply	115 V or 230 V +/- 15 %									
Mains frequency	50 / 60 Hz									
Power consumption max.	0.2 A									
Input	2 alarm inputs (Open => Alarm) (Closed-circuit working 9 mA 12 V DC)									
Output	2 inside temperature sensors DOL 12 (0 °C to +50 °C, 32 to 122 °F)									
	1 outside temperature sensor DOL 12 (0 °C to +50 °C, 32 to 122 °F)									
	4 relays voltage free NO-C-NC (Max. 5 A resistive load, 230 V AC) (Min./Max., Line-1/2)									
	3 relays voltage free NO-C-NC (Max. 5 A resistive load, 230 V AC) (1. - 2.- 3.)									
Charging current max.	1.3 A									
Charging voltage	13.7 V									
Check of battery voltage	Every 3 minutes									
Operation	2 buttons (Min./Max. temperature)									
	3 buttons (Backup thermostat 1. + 2. +3.)									
	1 test button (Activates all lamps and 4 relays)									
	3 battery lamps:	<table border="1"> <thead> <tr> <th>Lamp</th> <th>Voltage</th> </tr> </thead> <tbody> <tr> <td>Reed</td> <td>< 10.5 V</td> </tr> <tr> <td>Yellow</td> <td>10.6 - 12 V</td> </tr> <tr> <td>Green</td> <td>> = 12 V</td> </tr> </tbody> </table>	Lamp	Voltage	Reed	< 10.5 V	Yellow	10.6 - 12 V	Green	> = 12 V
Lamp	Voltage									
Reed	< 10.5 V									
Yellow	10.6 - 12 V									
Green	> = 12 V									
	At a discharge stop, all lights flash simultaneously, and two relays drop out (relays: F25-F27 and F28-F30).									
	1 on-off switch (deactivates 4 relays)									
Max. load 12 V terminal F6-F7	4 A									
Battery backup	12 V 4.5 Ah									
Mechanics										
Cable knock-out punches	7 Ø25.5mm for M25 crewed flanges for cables									
Cable knock-out punches	2 Ø40mm in each side for rubber sleeve									
Environment										
Ambient temperature, operation	(-10 to +45 °C, +14 to 113 °F)									
Ambient temperature, warehouse	(-25 to +60 °C, -13 to +140 °F)									
Ambient humidity, operation	0-80 % RH									
Enclosure class	Splashproof IP 54									
Shipping										
Dimensions DOL 2020	H x W x D: 262 x 162 x 151 mm									
Dimensions, packed	H x W x D: 370 x 290 x 200 mm									
Shipping weight	2.1 kg									