



When it gets hot ...

innovative and reliable prevention

horn-flash WS-24-R
with energy storage
for hold-open systems



protronic
INNOVATIVE STEUERUNGSELEKTRONIK

To make a risk assessment according to standard EN16034 in conjunction with the machinery directive and from the point of view of the UVV (Accident Insurance Regulation), the standard: DIN EN 12604 "Industrial, commercial and garage doors and gates - Mechanical aspects - Requirements and test methods" has to be respected. This standard determines that in case of fire, the closing of vertical and horizontal curtains, doors and gates has to be accompanied by an acoustic and optical warning signal, if the closing speed exceeds 0.3 m/seconds or the force on the human body or parts of it exceeds 200N. The signalling has to be guaranteed even in case of power failure.

The following features are realised by the WS-24-R warning signalling device:

- integrated emergency power supply in case of mains failure, bridging time at least 4 minutes
- The acoustic signal can be switched off via DIP-switch.
- The frequency of the signalling can be adjusted between 0.5 Hz and 2 Hz by a potentiometer.
- The volume of the horn can be adjusted by a potentiometer and is limited to a maximum of 85 dB at a distance of 1 m.
- Via DIP switch you can either choose blinking (50:50) or flashing (30:70).
- Depending on operating conditions the WS-24-R triggers on the edges for 90 seconds or as long as the input signal is present.
- For reactivating the warning signal device after a short reopening, the optional installation of a door limit switch is possible.
- Optionally a permanent connection with 24 V or a supply connected in parallel (easy retrofitting) to the hold-open system is possible (for gates that already exist for example).



Abmessungen

temperature range:

+10°C ... +40°C

degree of protection:

IP40

input voltage:

18 V ... 28 V

signalling time using the energy storage:

at least 4 min

charging time (energy storage empty):

approx. 5 min

minimum charging time until function (continuous voltage):

approx. 35 s

diameter:

approx. 110 mm

height (with socket):

ca. 60 mm

colour socket:

RAL 9005 black, RAL 9002 grey-white

colour lamp:

ruby red