

FAULT INDICATOR

TYPE **FLA3.1**

for overhead lines

General description

The fault indicator type FLA3.1 is used in overhead lines of a network. The indicator can be mounted under live conditions with the help of an adapter and a hot stick. The FLA3.1 is completely self-sustained by the monitored network from a current flow of 20A upwards. The indication is done by six flashing LEDs for a clear nighttime visibility and three red display areas for a clear daytime visibility.

The FLA3.1 can communicate to a remote control via a bidirectional wireless connection. In this way all settings of the indicator can be adjusted at any time without removing the indicator from the powered line. The FLA3.1 stands out for the great flexibility of the adjustments that can be done. Beside the basic settings of the indicator like trip current, response delay, reset time, etc., the FLA3.1 can be adapted to auto-reclosers in the network. This provides for an optimized fault indication and also allows the indication of different fault types. Permanent and temporary faults can be distinguished and indicated separately.

The bidirectional connection between the remote control and the fault indicator allows to read out the present current of the monitored network with the remote control at any time.

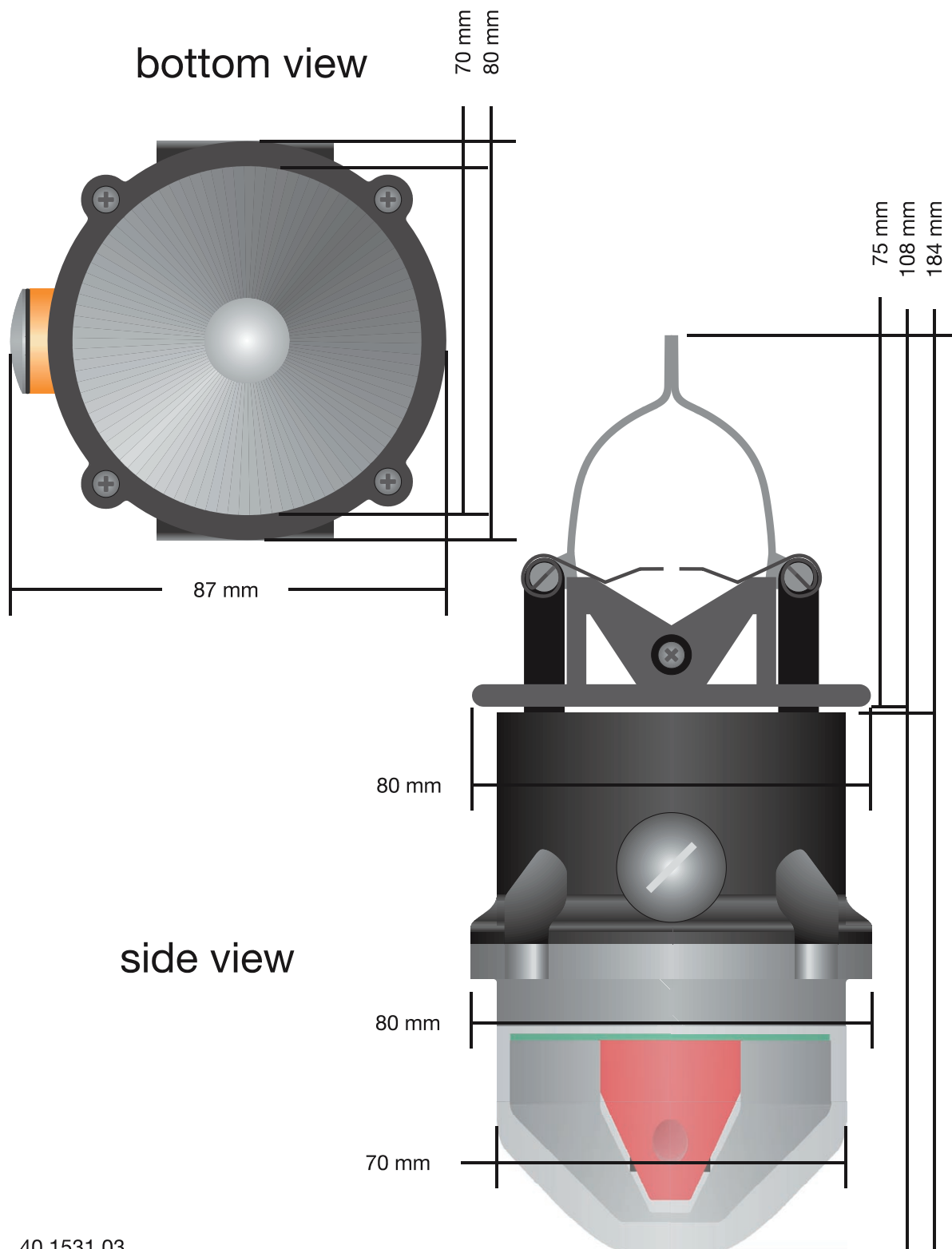
The fault indicator type FLA3.1 can be connected to the remote indication interface type RIS. This allows an easy-to-install remote indication solution for the overhead line indicators.



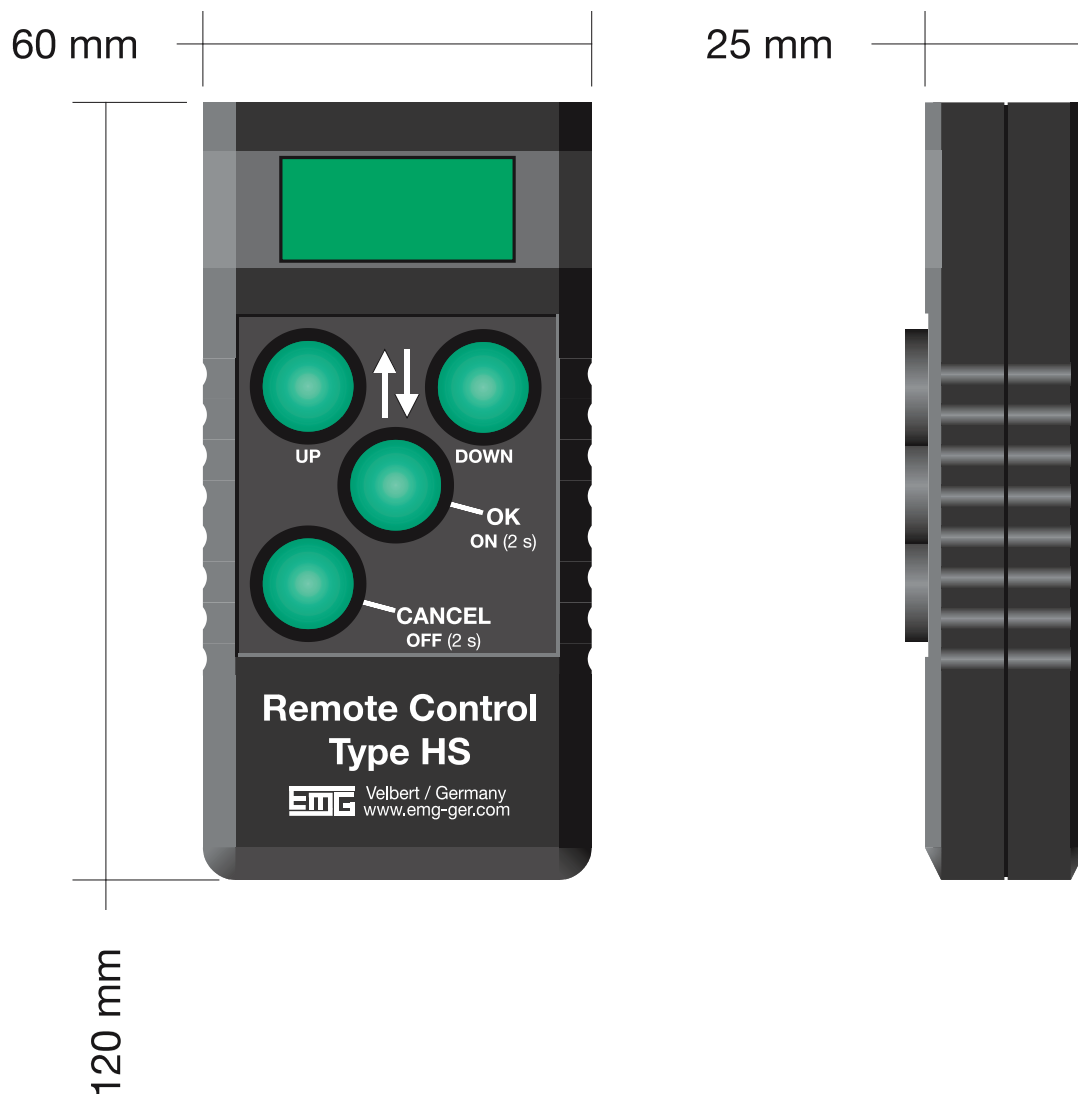
General Data

Subject	Value
trip current	a) Standard mode: trip current selectable between 40 and 1500 A in steps of 20A b) Automatic mode: automatic setting of the trip current depending on service current
response delay	selectable between 40 and 300 ms in steps of 20 ms
indication unit	suitable for surface installation
indication	6x LED indication, 360° visibility, >3000 mcd each Flag indication, 360° visibility, red signal color
reset of the indicator	a) reset by recovering service current: optional yes/no b) reset by remote control c) reset by time: selectable from 30 min to 12 hours in steps of 30 min
on-site function test	by remote control
dimensions	diameter: 80mm height: 184mm
protection class	IP67
housing material	ABS HI100-NP, Carbotex K20 UVR
weight	0.610kg
type tests	according to IEEE 495-2007, EN 60068-2-11 2000-02, ASTM G44-99 (2005)
operation temperature range	-20°C to +85°C
accuracy	+/- 10%
cable diameter ranges	a) 6 mm - 15mm b) 10 mm - 28 mm c) 25 mm - 42 mm
power supply	lithium battery (LiSOCl ₂) type A / 3.6V / 3600 mAh self-sustained from 20A net current upwards
total fault indication hours	800 hours
flashing frequency	60 per minute
maximum operating voltage	<= 46kV
current withstand	25 KA / 170ms Sym. RMS
communication	433MHz bidirectional radio interface for remote control type HS and remote indication interface type RIS

*PLEASE NOTE: other values can be ordered



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40.1708.04