

Weather-proof Digital Call Stations (WFD)

The weather-proof digital WFD Call Stations enable direct connections to other call stations. They can also be used for outdoor as well as indoor loudspeaker announcements in harsh environments, e.g. in factories of heavy industry. Light barriers (optoelectronic coupler) are activated contactless by pressing the robust double toggle keys. This allows durable using in abrasive and damp environments. The call stations are designed for wall mounting and must be earthed. The WFD Additional Housing allows extending the WFD Call Station by additional 3 double toggle keys.



WFD
Call Station,
1 Double Toggle
 Art.-No. 1 586 0



WFD
Call Station,
2 Double Toggle
 Art.-No. 1 587 1



WFD
Call Station,
3 Double Toggle
 Art.-No. 1 596 1



WFD
Call Station,
2 Double Toggle
with dial pad
 Art.-No. 1 682 7
incl. 25W Additional
Amplifier
 Art.-No. 1 684 9



WFD
Call Station,
3 Double Toggle
 Art.-No. 1 630 0

incl. 25W Additional
Amplifier
 Art.-No. 1 556 7

incl. 25W Additional
Amplifier
 Art.-No. 1 557 8

incl. 25W Additional
Amplifier
 Art.-No. 1 558 9

incl. 25W Additional
Amplifier
 Art.-No. 1 684 9

Equipment features

- Dust and water tight case consisting of glass-fibre reinforced wet polyester
- Double toggle line key inserts with optoelectronic couplers, each with 2 lines
- Integrated loudspeaker and electret microphone
- Integrated additional amplifier or retrofit option for additional amplifier

Facilities

- Spacious connecting compartment, two wires can be connected per terminal
- Line keys can be freely assigned as intercom destination keys
- Dial function with dial-pad (optional assigned as intercom destination keys without lighting)
- Including 25W additional amplifier, or 25W additional amplifier can be retrofitted solder-free on site
- Temperature controlled power limitation of the 25 W additional amplifier ¹⁾
- LEDs for busy and call indication
- After the case has been removed 4 holes in the base case become accessible to install the unit
- PA operation with own additional loudspeaker as standard feature ¹⁾
- Second-priority circuit as standard feature
- Switchable volume reduction, e.g. for night-time operation
- Additional loudspeaker switched off after the first intercom response as a standard feature ¹⁾
- Adjustable microphone sensitivity (noise compensated microphone)
- Cable gland for additional loudspeaker line as a standard feature
- Low power requirement
- Potential-free two-way contact for activation flash lamp or buzzer

¹⁾ only with integrated or retrofitted 25W additional amplifier

Art.-No.	1 586 0	1 556 7	1 587 1	1 557 8	1 596 1	1 558 9	1 682 7	1 684 9
Equipment								
Integrated 25W amplifier	no	yes	no	yes	no	yes	no	yes
Physical data								
Number of double toggle speech keys	1		2		3		2 + dial-pad	
Dimensions (H x W x D)	500mm x 120mm x 180mm							
Weight (without auxiliary amplifier)	approx. 6,5kg							
Colour	pure orange (RAL2004)							
Housing flammability	UL94 V-0 (3,2)							
Electrical data								
Nominal operating voltage	DC48V							
max. quiescent current	≤25mA							
max. operating current	≤100mA							
Frequency range	300Hz ... 7kHz							
Transmission protocol	Neumann WL protocol							
Potential-free two-way contact	DC30V, 500mA							
Environmental conditions								
Ambient temperature range	-30°C ... +70°C							
Protection class according to DIN EN 60529	IP66							

WFD Additional Housing

Art.-No.	1 630 0
Physical data	
Number of double toggle keys	3
Dimensions (H x W x D)	500mm x 120mm x 180mm
Weight (without auxiliary amplifier)	approx. 5kg
Colour	pure orange (RAL2004)
Cable entries	2 x M25; 1 x M20
Cable length to the WFD Call Station	approx. 1m
Environmental conditions	
Ambient temperature range	-30°C ... +70°C
Protection class according to DIN EN 60529	IP66

WFD Accessories

Article	Description	Art.-No.
Accessories WFD Call Station		
25 W Auxiliary Amplifier	25 W / DC 48 V	1 570 3
Stand	for using the call station as a pillar	1 950 5
Outdoor acoustic hood	for using in outdoor areas	64 9 0109 031 3
Indoor acoustic hood	for using in indoor areas	64 9 0109 004 3
Mounting Kit	Adapter for drill holes of older call stations, incl. 2 angle brackets and 4 steel hexagon socket screws M6 x 18	22 9 0501 560 0
Blank Panel	Instead of key insert	61 3 1831 007 0
Key insert	Instead of dial-pad	22 2 1601 560 5
Hexagon socket screw wrench SW5	For hexagon socket screws on housing panel	97 9 4413 561 9