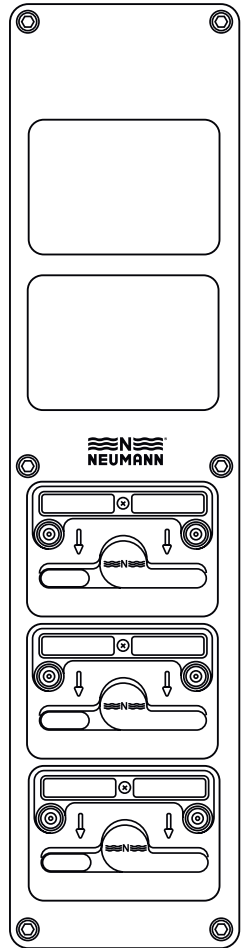
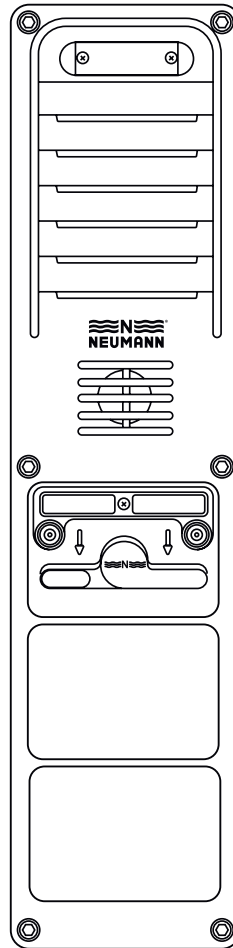
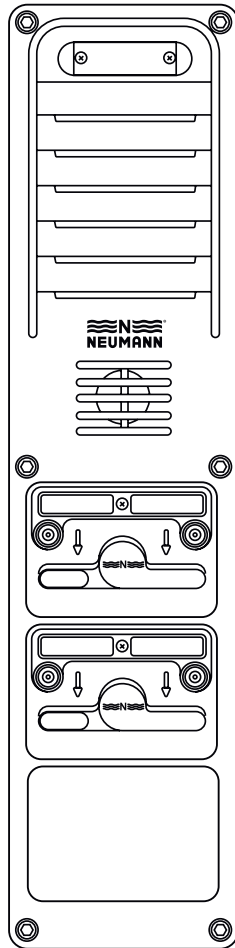
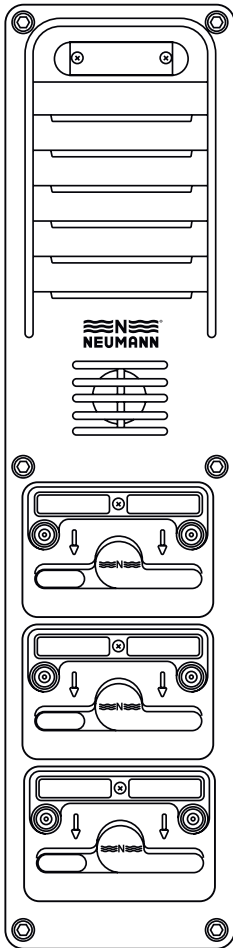
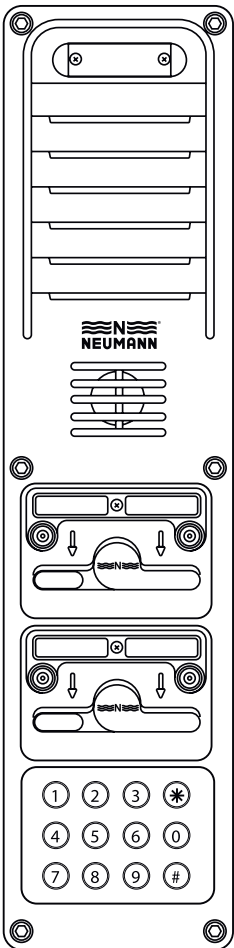
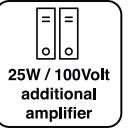


WFD

Weatherproof Digital U_{p0} Call Stations

With optional 25W additional amplifier
With optional WFD additional housing



Established Neumann Elektronik quality

**Spacious connecting compartment,
two wires can be connected per terminal**

Service-friendly modular design

**Dialling function with dialling keypad, optionally usable
as destination keys without illumination**

Integrated loudspeaker and electret microphone

Simple upgrade / extension of the speech keys

**Dust and waterproof,
glass-fibre reinforced polyester housing**

Double toggle talk buttons with opto-coupler, 2 lines each

EL operation with own additional loudspeaker as standard

Line keys can be freely assigned as destination keys

**Indication of busy and call signalling
through light emitting diodes**

**Potential-free contact for controlling
of a flash lamp or alarm siren**

Secondary priority circuit as standard

Switchable volume reduction, e. g. for night-time operation

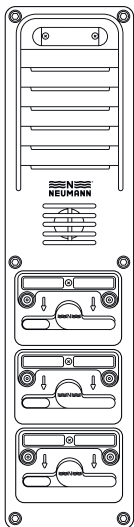
**Adjustable microphone sensitivity
(noise compensated microphone)**

**Additional loudspeaker switched off after
the first intercom response as a standard feature**

Low power requirement

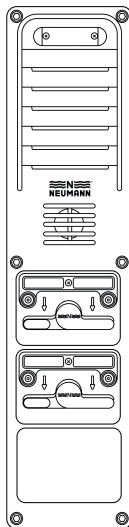
WFD M

Weatherproof Digital U_{p0} Call Stations

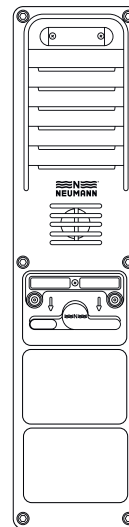


WFD
Weatherproof Digital U_{p0}
Call Stations,
3 Double Toggle
Art.-No. 1 640 1

With 25W additional amplifier
Art.-No. 1 637 7

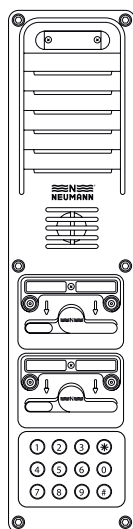


WFD
Weatherproof Digital U_{p0}
Call Stations,
2 Double Toggle
Art.-No. 1 639 9
With 25W additional amplifier
Art.-No. 1 636 6

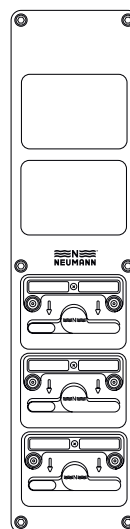


WFD
Weatherproof Digital U_{p0}
Call Stations,
1 Double Toggle
Art.-No. 1 638 8

With 25W additional amplifier
Art.-No. 1 635 5



WFD
Weatherproof Digital U_{p0}
Call Stations,
2 Double Toggle + Dial Pad
Art.-No. 1 632 2
With 25W additional amplifier
Art.-No. 1 631 1

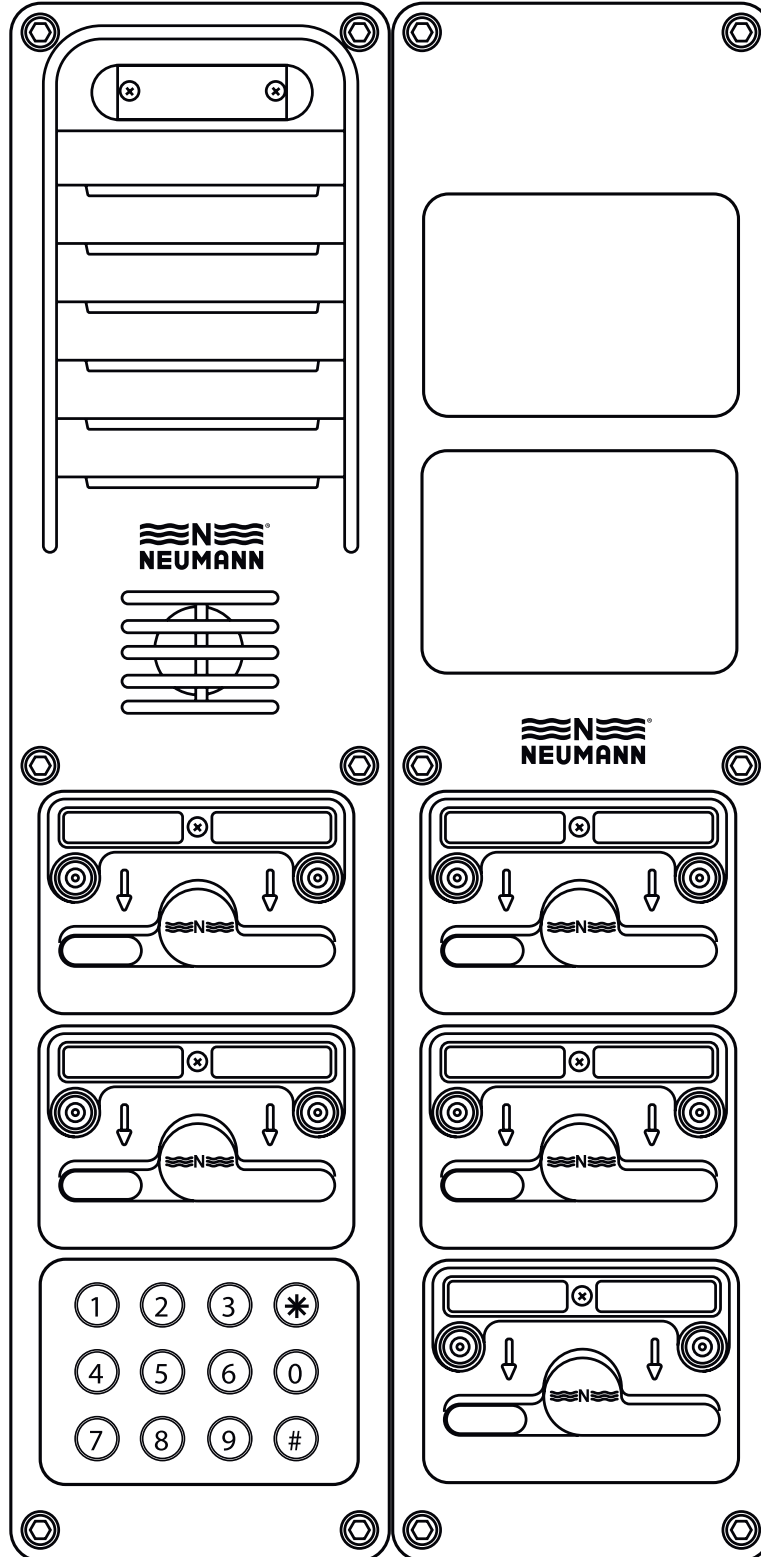


WFD
Weatherproof
Additional housing,
3 Double Toggle
Art.-No. 1 630 0

Layout example

WFD

Weatherproof Digital U_{p0} Call Stations



1 6XX X

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**NEUMANN**

The WFD Weatherproof Digital U_{p0} 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 contactlessly 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 Weatherproof Digital U_{p0} Call Stations by additional 3 double toggle keys.

Mechanical data Call station

Dimensions (H x W x D)	500 x 120 x 180 mm
Weight (without auxiliary amplifier)	approx. 6.5 kg
Colour	pure orange (RAL 2004)
Housing flammability	UL94 V-0 (3.2)

Mechanical data Additional housing

Dimensions (H x W x D)	500 x 120 x 180 mm
Weight (without auxiliary amplifier)	approx. 5 kg
Colour	pure orange (RAL 2004)
Housing flammability	UL94 V-0 (3.2)
Cable entries	2 x M25; 1 x M20
Cable length to the WFD Call Station	approx. 1m

Electrical data

Nominal operating voltage	DC 48 V
Max. quiescent current	≤ 25mA
Max. operating current	≤ 100mA
Frequency range	300 Hz to 7 kHz
Transmission protocol	Neumann WL protocol
Potential-free two-way contact	DC30V, 500mA

Environmental conditions

Ambient temperature range	-30°C bis +70°C
Protection class	IP66 according to DIN EN 60529

Accessories

Art.-No.	Article	Description
1 570 3	25 W auxiliary amplifier	25 W / 100 V
1 950 5	Stand	For using the call station as a pillar
64 9 0109 031 3	Outdoor acoustic hood	For using in outdoor areas
64 9 0109 004 3	Indoor acoustic hood	For using in indoor areas
22 9 0501 560 0	Mounting kit	Adapter for drill holes of older call stations, incl. 2 angle brackets and 4 steel hexagon socket screws M6 x 18
61 3 1831 007 0	Blank panel	Instead of double toggle
22 2 1601 560 5	Double toggle	Instead of blank panel
22 3 0101 681 4	Dial keypad	Instead of blank panel
97 9 4413 561 9	Hexagon socket screw wrench SW5	For hexagon socket screws on housing panel
3 338 7	DS-6 U _{p0} -Adapter	8-fold. The DS-6 U _{p0} -Adapter serves as an adapter or interface for connecting digital U _{p0} microphone units to the DS-6 decentralised communication system.



Our products and systems at a glance at:
neumann-elektronik.com/system-overview



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