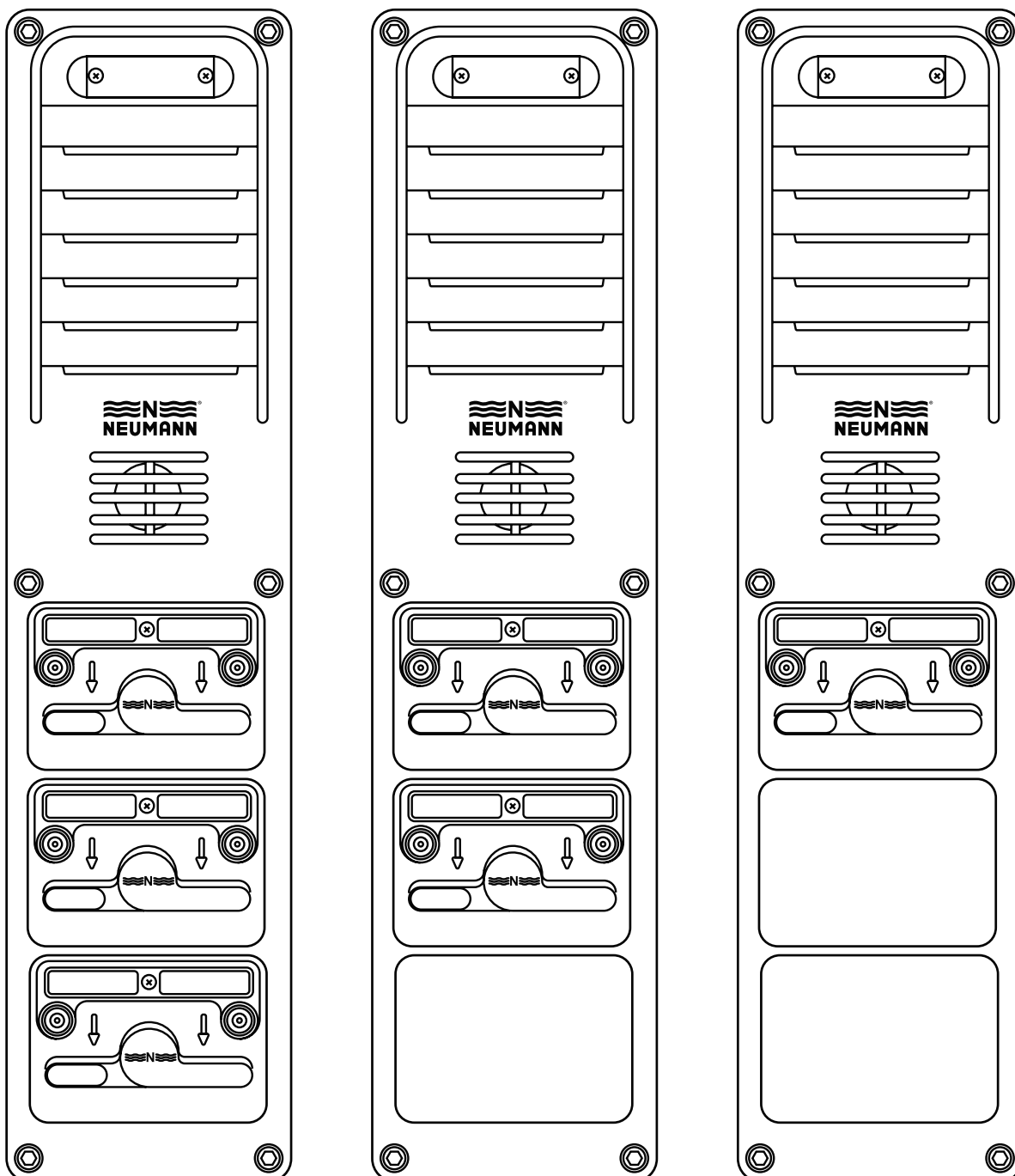


WFA Weatherproof Analogue Call Station

With connection option
for additional amplifier



1 5XX X

WFA Weatherproof Analogue Call Station
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NEUMANN

Established Neumann Elektronik quality

Integrated loudspeaker and electret microphone

Simple upgrade / extension of the speech keys

Dust and water tight case consisting of glass-fibre reinforced wet polyester

Double toggle line key inserts with optoelectronic couplers, each with 2 lines

Connector for optional auxiliary amplifier¹⁾

Line keys can be freely assigned as intercom destination keys

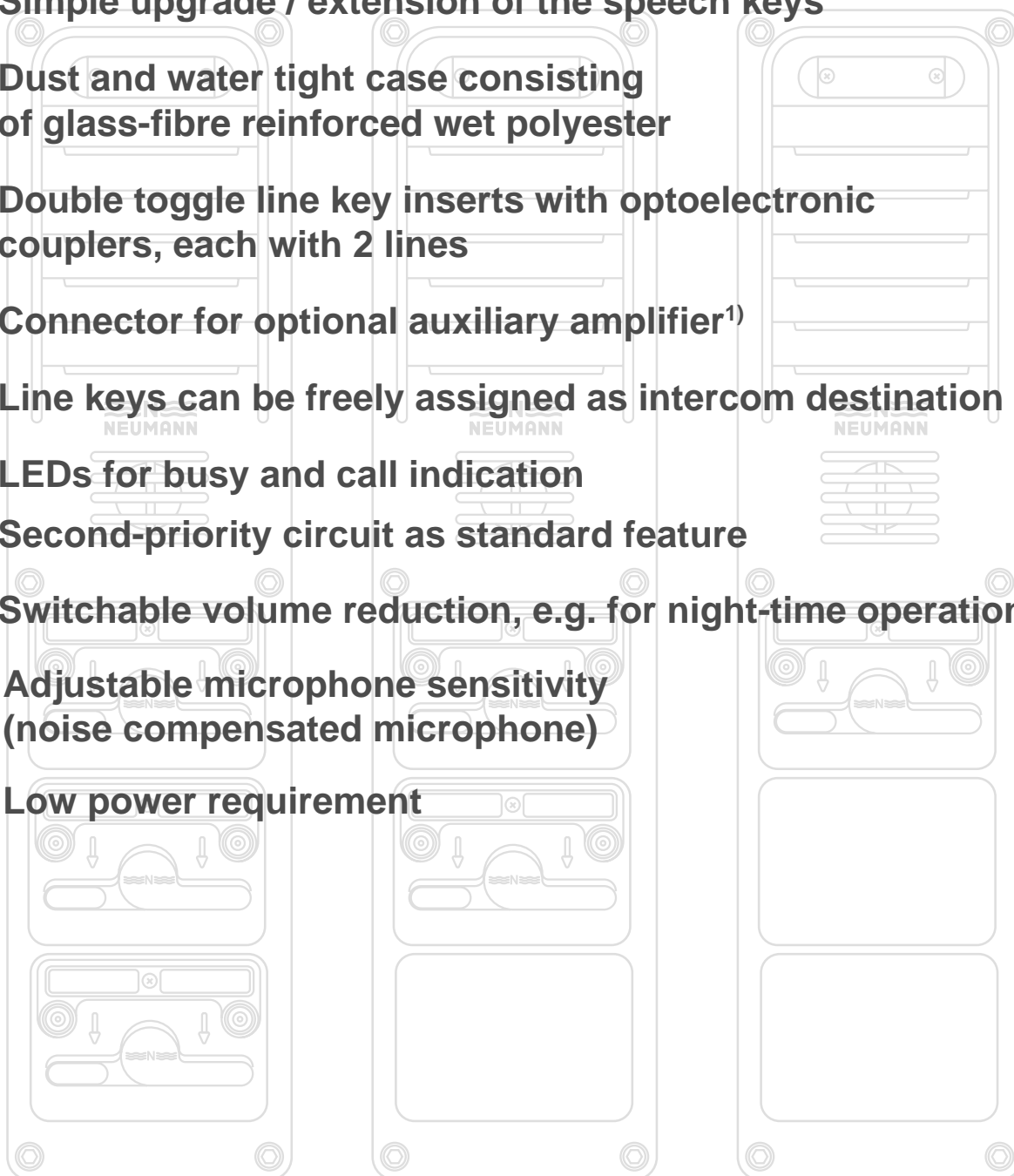
LEDs for busy and call indication

Second-priority circuit as standard feature

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

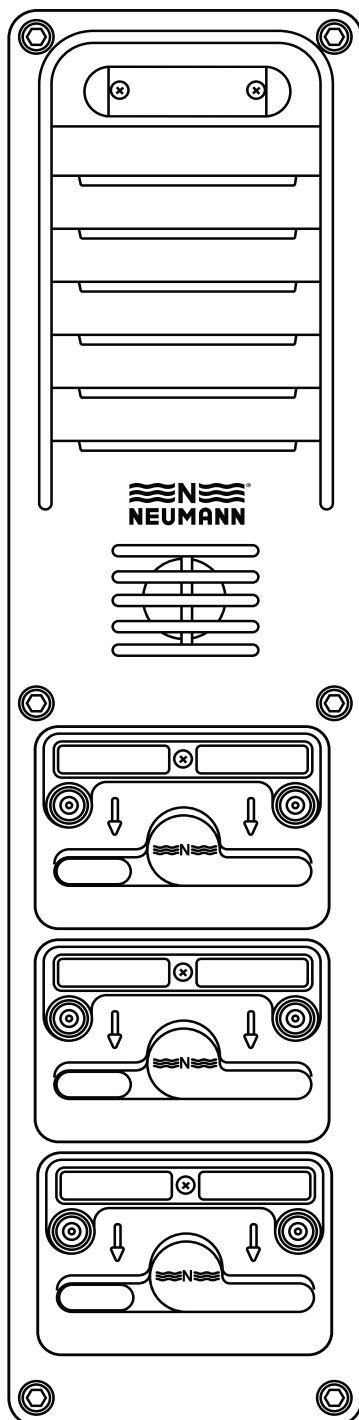
Adjustable microphone sensitivity (noise compensated microphone)

Low power requirement



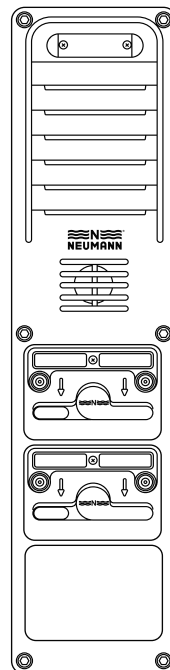
1) Not included in delivery

WFA Weatherproof Analogue Call Station



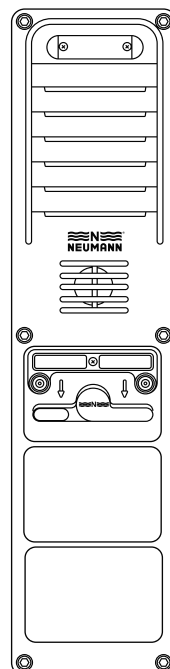
**WFA Weatherproof
Analogue Call Station,
3 Double Toggle
Art.-No. 1 590 5**

**With additional amplifier
Art.-No. 1 538 7**



**WFA Weatherproof
Analogue Call Station,
2 Double Toggle
Art.-No. 1 589 3**

**With additional amplifier
Art.-No. 1 537 6**



**WFA Weatherproof
Analogue Call Station,
1 Double Toggle
Art.-No. 1 588 2**

**With additional amplifier
Art.-No. 1 536 5**

The WFA Weatherproof Analogue Call Station enable direct connections to other call stations.
This can also be used for loudspeaker announcements in rugged environments.

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 station is designed for wall mounting and must be earthed.
The WFA Weatherproof Analogue Call Station cannot be extended with additional housings.

The WFA Weatherproof Analogue Call Station are highly energy-efficient.

Mechanical data

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)

Electrical data

Nominal operating voltage	DC 48 V
max. quiescent current	10 mA
max. operating current	approx. 50 mA
Frequency range	300 Hz to 10 kHz

Environmental conditions

Ambient temperature range	-20°C to +70°C
Protection class	IP66 according to DIN EN 60529

Accessoires

Art.-No.	Article	Description
1 570 3	25 W Auxiliary Amplifier	25 W / DC 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 double toggle key
22 2 1601 560 5	Double toggle key	Instead of blank panel
97 9 4413 561 9	Hexagon socket screw wrench SW5	For hexagon socket screws on housing panel
3 331 0	DS-6 Analogue-Adapter	8 fold

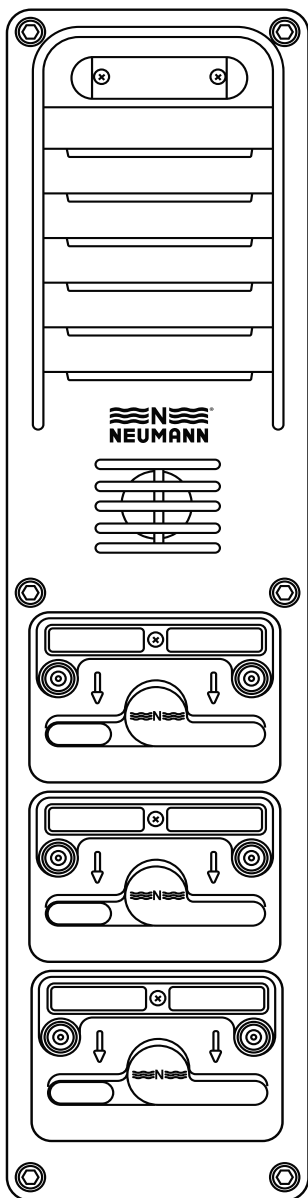
Related products

1 5XX X 

WFA EXPROOF

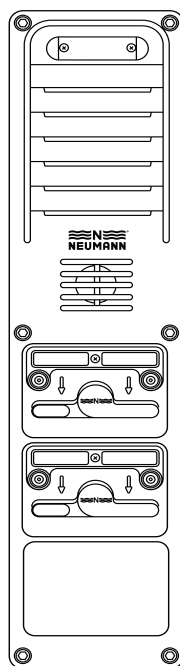
Weatherproof Analogue Call Station, explosion proof

- Dustproof and watertight, glass-fibre reinforced polyester housing
- Double-toggle speech keys with opto-coupler, 2 lines each
- Active parts pressure-resistant encapsulated
- Integrated loudspeaker and electret microphone
- Large connection space, two wires can be clamped per connection
- Line keys can be freely assigned as destination keys
- Indication of busy and call signalling by LEDs
- Second-priority circuit as standard feature
- Switchable volume reduction, e. g. for night operation
- Microphone sensitivity (noise-compensated microphone) adjustable
- Connector for optional auxiliary amplifier
- Microphone sensitivity (noise-compensated microphone) adjustable
- Low power consumption



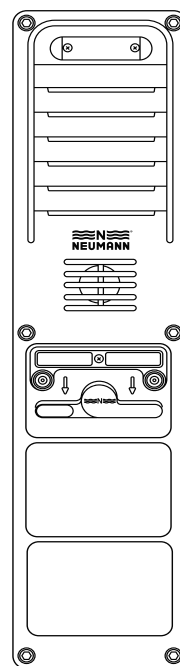
WFA EXPROOF
Weatherproof Analogue
Call Station,
3 Double Toggle
Art.-No. 1 577 0

With additional amplifier
Art.-No. 1 580 4



WFA EXPROOF
Weatherproof Analogue
Call Station,
2 Double Toggle
Art.-No. 1 576 9

With additional amplifier
Art.-No. 1 579 2



WFA EXPROOF
Weatherproof Analogue
Call Station,
1 Double Toggle
Art.-No. 1 575 8

With additional amplifier
Art.-No. 1 578 1

1 5XX X

WFA Weatherproof Analogue Call Station
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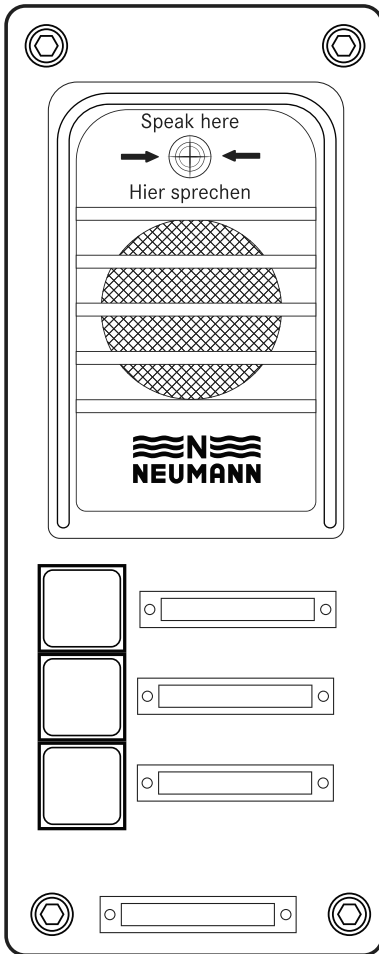

NEUMANN

Related products

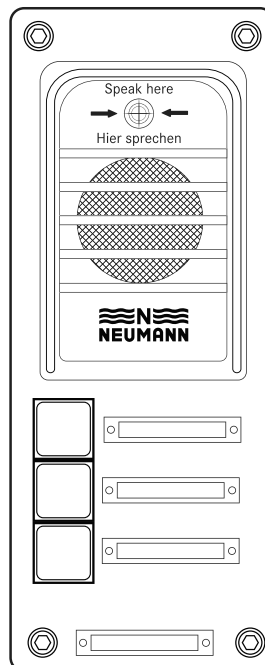
1 9XX X

WFAK

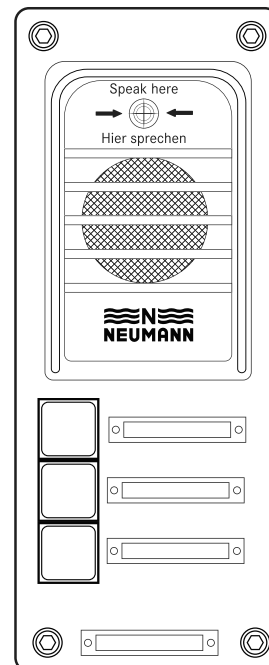
Weatherproof Analogue Call Station Compact



- Dust and water tight case consisting of glass-fibre reinforced wet polyester
- Three illuminated push keys, each for one line
- Integrated loudspeaker and electret microphone
- Call station and additional housing can be flanged together
- Compact design
- Line keys can be freely assigned as intercom destination keys
- LEDs for busy and call indication
- Mounting with brackets at four mounting points
- Second-priority circuit as standard feature
- Switchable volume reduction, e. g. for night-time operation
- Adjustable microphone sensitivity (noise compensated microphone)
- Low power requirement
- Extended with additional housing



**WFAK Weatherproof
Analogue Call Station
Compact,
orange
3 Illuminated push keys
Art.-No. 1 960 6**



**WFAK Weatherproof
Analogue Call Station
Compact,
yellow
3 Illuminated push keys
Art.-No. 1 970 7**

1 5XX X

WFA Weatherproof Analogue Call Station
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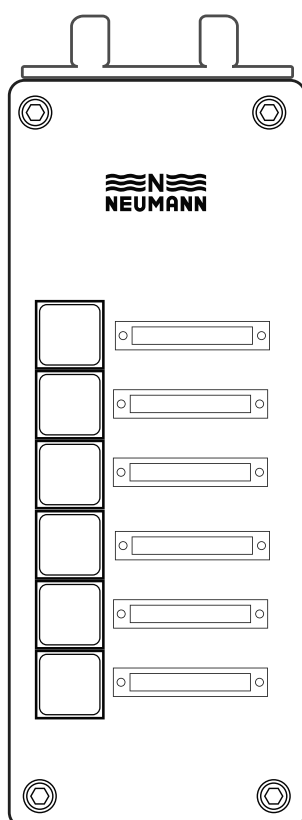
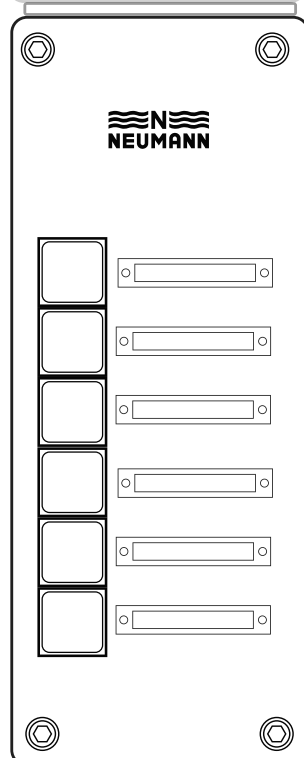
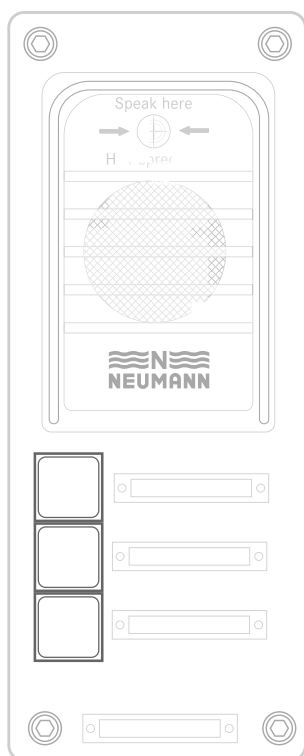
Related products

1 9XX X

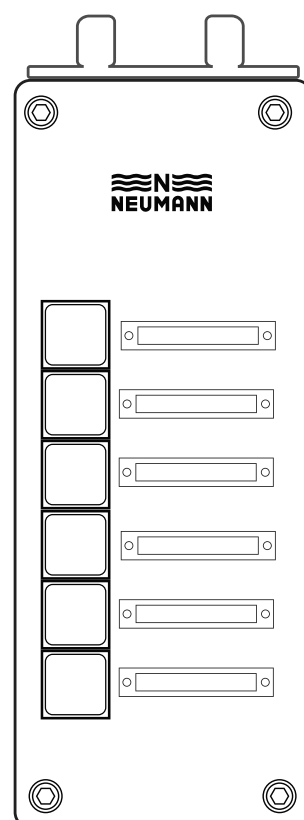
WFAK

Additional housing

6 Illuminated push buttons



**WFAK Additional housing,
orange,
6 Illuminated push keys
Art.-No. 1 967 3**



**WFAK Additional housing,
yellow,
6 Illuminated push keys
Art.-No. 1 977 4**

1 5XX X

WFA Weatherproof Analogue Call Station
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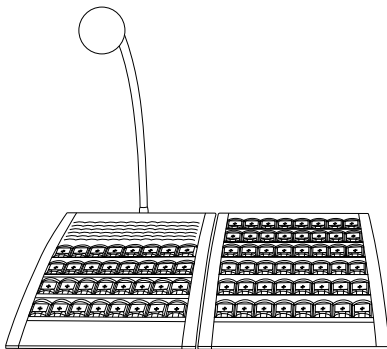
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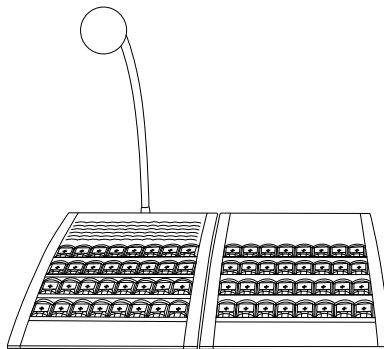
Related products

1 75X X MTSA Analogue Multifunctional Desktop Call Station

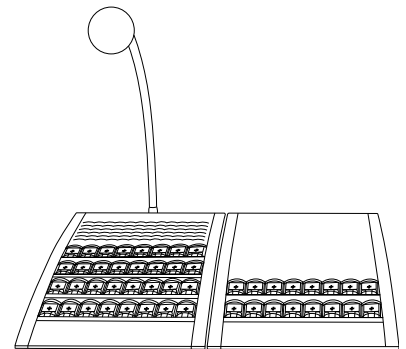
- Up to 80 keys
- Impact and break-proof ABS plastic housing
- Flexible gooseneck electret microphone (300mm)
- Integrated broadband loudspeaker, 8 Ω
- Interchangeable illuminated pushbuttons with LED signalling
- Direct speech connections via key-controlled line selection
- Line keys can be freely assigned as intercom destination keys
- LEDs for busy and call indication
- Second-priority circuit as standard feature
- Switchable volume reduction, e. g. for night-time operation
- Microphone sensitivity adjustable with automatic level limitation



**MTSA Analogue
Multifunctional
Desktop Call Station
with additional housing
80 keys
Art.-No. 1 759 2**



**MTSA Analogue
Multifunctional
Desktop Call Station
with additional housing
64 keys
Art.-No. 1 758 1**



**MTSA Analogue
Multifunctional
Desktop Call Station
with additional housing
48 keys
Art.-No. 1 757 0**

1 5XX X

WFA Weatherproof Analogue Call Station
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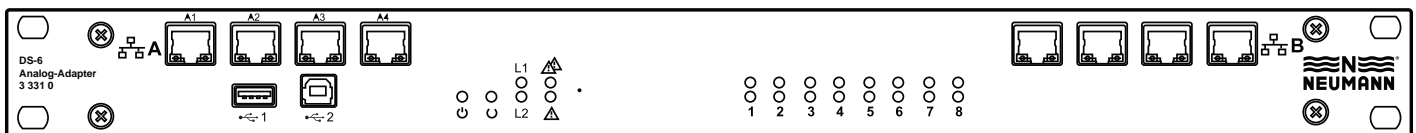
NEUMANN

Related products

3 331 0

DS-6 Analogue-Adapter, 8 fold

- Configurable over serial interface
- Fuse monitoring
- Operating voltage monitoring of analogue-adapter
- Operating voltage monitoring of line circuit and call station energizing
- Operating current monitoring of the call stations
- Temperature monitoring
- Watchdog
- Switchable input and output impedance
- Separately configurable operating mode for each component port
- Special operating modes possible, e. g. by using call stations maximum extended to 32 lines
- 2 two-way contacts for fault indication
- Galvanic isolation of line connection / control lines
- c-Point control and line voltage are configurable with jumper in the housing



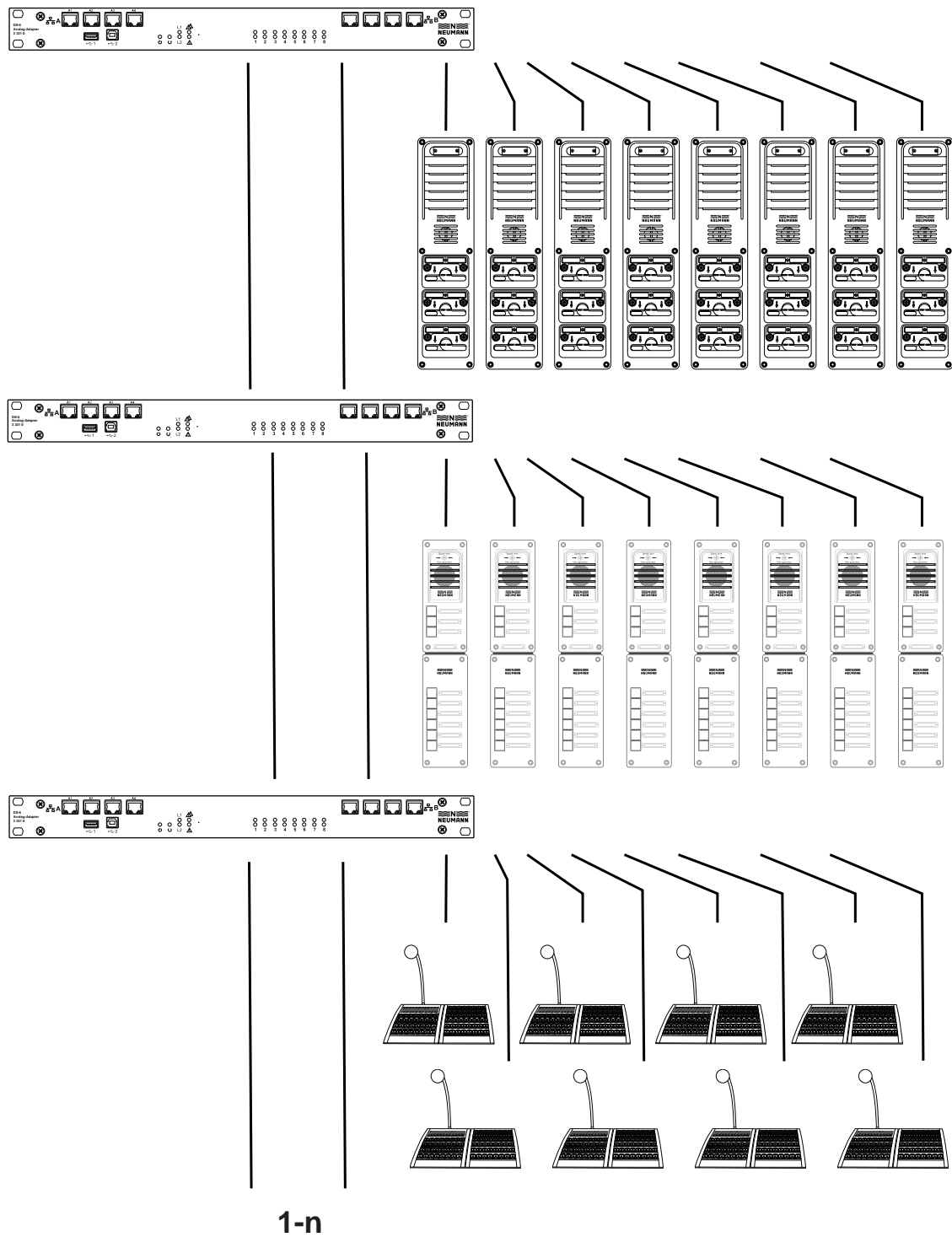
1 5XX X

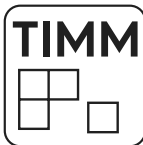
WFA Weatherproof Analogue Call Station
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Example cascading





Control centre

Telephone

Evacuation

Fire alarm system

Public address system

Industrial control

Process control

emergency call

Intercom

Radio

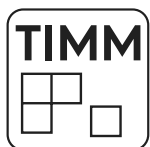
Video

Access control

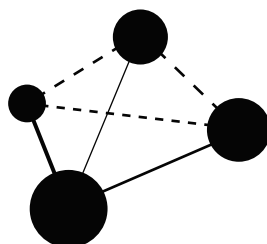
Personal radio

Emergency exit control

Building services engineering



TIMM ComServer



IP network

PACE

EN 54 -16

PACE

EN 54 -16

PACE

EN 54 -16

PACE

EN 54 -16

PACE

EN 54 -16

PACE

EN 54 -16

PACE

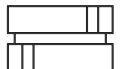
EN 54 -16

PACE

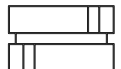
EN 54 -16

1-n

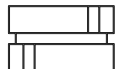
DS 6



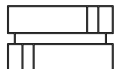
DS 6



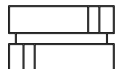
DS 6



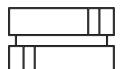
DS 6



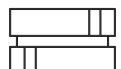
DS 6



DS 6



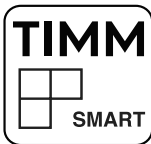
DS 6



DS 6



1-n



↓↑



↓↑



↓↑



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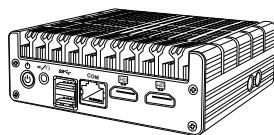
I/O Modul
NE 4 475 0

↓↑



CANopen

↓↑

NE 3 358 9
TIMM SMART

WEB Server



Config / state



SNMP / MIB

Com Server Application

Gateway Application

Speechbox* NE 5 067 8

SIP-Trunk* NE 5 065 6

Phone Server* NE 5 034 2

MODBUS / TCP-IP* NE 5 068 9

CANopen* NE 3 373 6

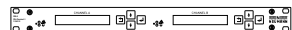
←
→
NIS

↓↑

U_{K0} II Adapter

NE 3 334 3

and / or



PA Control I

NE 3 342 2

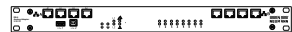
and / or



PA Control II

NE 3 343 3

and / or

Analogue Adapter
8 Fold

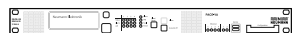
NE 3 331 0

and / or

Plug-in unit
analog

NE 2 390 4

and / or



PACE EN 54-16

NE 3 344 4

PC Call Station
„all-in-one“

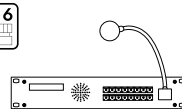
NE 1 296 8

MTSD Desktop
Call Station

NE 1 045 0

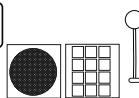
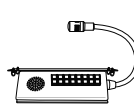
MTSD IP42
Desktop
Call Station

NE 1 0854

Call Station
19 Zoll
(rack mounting)

NE 1 278 8

NE 1 279 9

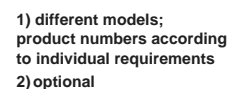
Built-in Call Station
(panel assemblies)NE 1 28X X¹

Crane Call Station

NE 1 156 3

WFD IP
Weatherproof
Call StationNE 1 5XX X¹WFD IP
Weatherproof
Call Station
CompactNE 1 87X X¹

¹⁾: various models; product numbers
depending on individual requirements.





PACE

EN 54-16

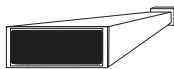
Tunnel horn / boundary horn speaker

NE 4 76X X



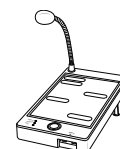
Tunnel horn / boundary horn speaker

NE 4 76X X



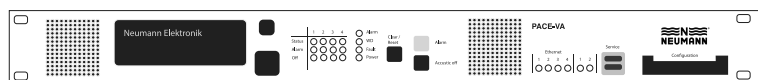
Desktop Call Station PACE-CSTP
DIN EN 54-16, Touch screen

NE 1 357 6



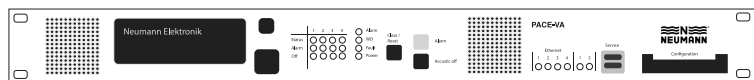
Desktop Call Station PACE-CS20
DIN EN 54-16, 20 Keys

NE 1 355 4



Voice alarm center unit
PACE-VA, EN54-16

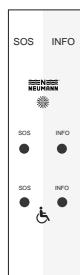
NE 3 344 4



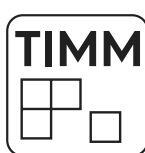
1-n

Emergency call and
information pillar

NE 8 0XX X¹⁾

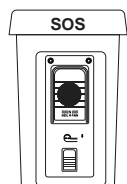


I/O Modul
NE 4 475 0

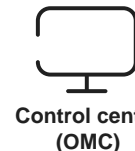


Emergency Call Station

NE 8 0XX X¹⁾



1-n



1-n



MTSD
Desktop Call Station

NE 1 045 0



PC Call Station
„all-in-one“

NE 1 296 8



I/O Modul
NE 4 475 0

Analogue Adapter 8 fold

NE 3 331 0

1-n

¹⁾ different models; product numbers according to individual requirements



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45478 Mülheim an der Ruhr
Germany**

**info@neumann-elektronik.com
www.neumann-elektronik.com**

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