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04-2012

home:packs for the one- and two-family house with comfort functions

Types of packages	
PSC2110-0000	for the one-family house, duplex communication | 1 x ISH3130-0140 | 1 x PAK (surface-mount) | 1 x power supply BVS20-SG
PSC2120-0000	for the two-family house, duplex communication | 2 x ISH3130-0140 | 1 x PAK (surface-mount) | 1 x power supply BVS20-SG
PSC2210-0000	for the one-family house, hands-free talking | 1 x ISW3130-0140 | 1 x PAK (surface-mount) | 1 x power supply BVS20-SG
PSC2220-0000	for the two-family house, hands-free talking | 2 x ISW3130-0140 | 1 x PAK (surface-mount) | 1 x power supply BVS20-SG
PSU2110-0000	for the one-family house, duplex communication | 1 x ISH3130-0140 | 1 x PUK (flush-mount) | 1 x power supply BVS20-SG
PSU2120-0000	for the two-family house, duplex communication | 2 x ISH3130-0140 | 1 x PUK (flush-mount) | 1 x power supply BVS20-SG
PSU2210-0000	for the one-family house, hands-free talking | 1 x ISW3130-0140 | 1 x PUK (flush-mount) | 1 x power supply BVS20-SG
PSU2220-0000	for the two-family house, hands-free talking | 2 x ISW3130-0140 | 1 x PUK (flush-mount) | 1 x power supply BVS20-SG
PSI2110-0000	for the one-family house, duplex communication | 1 x ISH3130-0140 | 1 x ASI built-in door loudspeaker | 1 x BVS20-SG
PSI2120-0000	for the two-family house, duplex communication | 2 x ISH3130-0140 | 1 x ASI built-in door loudspeaker | 1 x BVS20-SG
PSI2210-0000	for the one-family house, hands-free talking | 1 x ISW3130-0140 | 1 x ASI built-in door loudspeaker | 1 x BVS20-SG
PSI2220-0000	for the two-family house, hands-free talking | 2 x ISW3130-0140 | 1 x ASI built-in door loudspeaker | 1 x BVS20-SG

ISH3130-0140 & ISW3130-0140

Functionality calling, speaking, hearing	
voice transmission door telephone	duplex communication (with handset)
voice transmission hands-free talking device	hands-free talking | simplex communication can be activated
number of selectable ring tones	13
quality of the ring tones	standard
number of acoustic call distinctions	4 (up to 2 from front-door stations)
parallel call (can be activated)	with Service Device or configo™
internal call | door release automatic | call diversion (comfort fct.)	at control key
automatic hands-free talking after internal call (can be activated)	only with the hands-free talking device
send sender serial number in case of internal calls	yes
adio privacy function and automatic call cut-OFF	yes
Functionality switching, controlling, indicating	
door release function | floor door release function (comfort fct.)	at blue door release button
light switch function	at light switch button
ring tone mute	at call-OFF button
control function (ex works)	at control key
ring tone volume	adjustable (in 8 steps)
conversation volume	adjustable (in 8 steps)
optical indication ring tone mute	LED (red)
optical indication door and internal calls (short-term memory)	LED (green)
optical indication of a busy line	LED (green)
handset cradle door telephone	magnetic
handset cord door telephone	pluggable
can be functional extended	yes (mounting slot for call relay, radio signal device, EnOcean interface)
Mechanical features	
type of installation	surface-mount (on flush-mount socket) | desktop assessory
type of housing	surface-mounted housing
lower cover	can be pre-installed with pluggable screw terminal | alternative assembly with sister product (door telephone / hands-free talking device)
material of the housing	plastic (matt)
color of the housing	white
weight in g	340 (ISH3030) | 185 (ISW3030)
can be functional extended with	mounting slot for call relay | activation of the radio signal device and EnOcean radio interface

Comfort indoor station
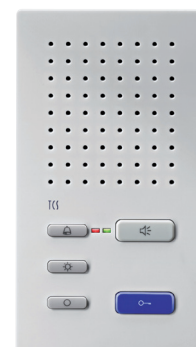with handset
ISH3130-0140

For questions regarding
planning, please contact
our technical support

Send your enquiry
by Mail to:
hotline@tcsag.de

Electrical features		
input current I(a) in 2-wire operation	mA	1.2 (ISH3130)	1.4 (ISW3130
input current I(a), in 3-wire operation	mA	0.2
input current I(P), stand-by	mA	1 (ISH3130)	1.2 (ISW3130)
input current I(Pmax), max.	mA	68 (ISH3030)	72 (ISW3030)

System features		
signal transmission and power supply		polarity-free and short-circuit protected 2-wire TCS:BUS
wiring technique (number of wires)		2 or 3 possible
mixed installation audio, video within one system		possible
can be functional extended with		TRE1-EB | radio transmitter board (FFL1000-0) | FBI4200-0xx0 (ISH3130)

Commissioning and maintenance		
fault indication		optical (total fault indication on both LEDs)
manually adjustable paramaters		conversation volume | ring tone volume | ring tone selection | ring tone mute
parameters adjustable with Service Device		light switch function | internal call | door release automatic | call diversion | parallel call | control function
parameters adjustable with software configo™		simplex communication (ISW3130) | ring tone selection | internal call | door release automatic | call diversion | parallel call | floor door release function | control function | automatic hands-free talking after internal call (ISW3130) | cahnge AS address | send sender serial number in case of internal calls | reset to factory setting | unlimited length of call

Dimensions in H x W (x D)		
surface-mounted housing	mm	180 x 100 x 50 (ISH3030 without handset) | 180 x 100 x 25 (ISW3030)
space to install and operate the device	mm	320 to 350 x 110

Climatic characteristics		
acceptable ambient temperature	ºC	− 5 to + 40

Accessory		
desktop accessory		ZIT3030-0010

Series PAK

Fields of application		
call destinations		max. 8

Operating, input and reading elements		
operation | input		bell buttons

Functionality calling, communicating, switching		
acknowledgement tone		when pressing the bell buttons
communication time	s	56 (adjustable factory setting)
door standby time	s	56 (adjustable factory setting)
door release time at R-terminal	s	3 (adjustable factory setting)
acoustic parameters (adjustable factory setting)		volume voice output | microphone sensitivity
allocations per bell button		max. 2 serial numbers resp. indoor stations
light switch function		each bell button (light symbol enclosed)

Functionality displaying, providing information		
information field		1 field (with up to 3 buttons)

Mechanical features		
mounting		surface-mount
type of housing		surface-mounted housing
material		aluminium
material name plate glass		acrylic glass (shatterproof)
color		anodised nature
bell button layout		chrome-plated, made of full metal with maintenance-free contacts
opening principle		win:clip™

Komfort-Innenstation
zum Freisprechen
ISH3130-0140

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Electrical features

power supply	V	24 (± 8%)
input current I(a)	mA	0.4
input current I(P), standby	mA	11
input current I(Pmax), max.	mA	21
illumination (color)	mA	back-lit (white)
additional terminal	mA	R (for extended function door release)

System features

signal transmission and power supply		polarity-free and short-circuit protected 2-wire TCS:BUS
wiring technique (number of wires)		3 necessary
mixed installation of audio, video, access control within a system		possible

Commissioning and maintenance

plug-in memory		changeable
connection for service products resp. external memories		service connection
configuration options		manually | with service device | with configo™
manually adjustable parameters		call destinations resp. light switch function | volume voice output | microphone sensitivity
parameters adjustable with service device		call destinations resp. light switch function | communication time | change AS-address | block
parameters adjustable with software		call destinations resp. light switch function | communication time | door standby time | door release time | change AS-address | block

Dimensions H x W (x D)

size of the infomation field	mm	19 | 24 | 37 x 62
size of the name field	mm	19 | 53 x 62
surface-mounted housing	mm	153 x 104 x 16 (PAK01 to PAK04) 175 x 104 x 16 (PAK05) 197 x 104 x 16 (PAK06) 219 x 104 x 16 (PAK07) 241 x 104 x 16 (PAK08)
space for installation and operation	mm	153 to 241 x 104

Climatic features

acceptable ambient temperature	°C	-20 to +50
UV resistance		unlimited

Series PUK

Fields of application

call destinations		max. 30

Operating, input and reading elements

operation | input		bell buttons

Functionality calling, communicating, switching

acknowledgement tone		when pressing the bell buttons
communication time	s	56 (adjustable factory setting)
door standby time	s	56 (adjustable factory setting)
door release timr at R-terminal	s	3 (adjustable factory setting)
acoustic parameters (adjustable factory setting)		volume voice output | microphone sensitivity
allocations per bell button		max. 2 serial numbers resp. indoor stations
light switch function		each bell button (light symbol enclosed)

Functionality displaying, providing information

information field		1 field (with up to 3 buttons)

Außenstationen der Serie PAK für eine und zwei Wohneinheiten
PAK01-EN | PAK02-EN

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Datasheet

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Electrical features		
power supply	V	24 (± 8%)
input current I(a)	mA	0.4 (single-column) | 0.8 (two-column) | 1.2 (three-column)
input current I(P), standby	mA	19 (single-column) | 36 (two-column) | 53 (three-column)
input current I(Pmax), max.	mA	36 (single-column) | 40 (two-column) | 58 (three-column)
illumination (color)	mA	back-lit (white)
additional terminal	mA	R (for extended function door release)

Mechanical features		
mounting		flush-mount
type of housing		front panel with flush-mount box
material of the housing		aluminium | stainless steel
material of the name plate glass		acrylic glass (shatterproof)
colors		anodised nature | anodised bronze | white powder-coated | stainless steel grinded | special colors and varnishings by request
bell button material		chrome-plated, made of full metal with maintenance-free contacts
opening principle		win:clip™

System features		
signal transmission and power supply		polarity-free and short-circuit protected 2-wire TCS:BUS
wiring technique (number of wires)		3 necessary
mixed installation of audio, video, access control within a system		possible

Commissioning and maintenance		
plug-in memory		changeable
configuration options		manually | with Service Device | with configo™
manually adjustable parameters		call destinations resp. light switch function | volume voice output | choice acknowledgement tonel | microphone sensitivity
parameters adjustable with Service Device		call destinations resp. light switch function | communication time | change AS-address | block
parameters adjustable with Software configo™		call destinations resp. light switch function | communication time | door standby time | door release time | change AS-address | block

Dimensions H x W (x D)		
information field	mm	19 | 24 | 37 x 62
nameplate	mm	19 | 53 x 62
front panel	mm	208 to 340 x 150 x 3 (single-column) 208 to 340 x 274 x 3 (two-column) 208 to 340 x 398 x 3 (three-column)
flush-mount box	mm	159 to 291 x 126 x 40 (single-column) 159 to 291 x 250 x 40 (two-column) 159 to 291 x 374 x 40 (three-column)
space for operation and installation	mm	208 to 340 x 150 to 398

Climatic features		
acceptable ambient temperature	°C	-20 to +50
UV resistance		unlimited

Außenstationen der Serie PUK für eine und zwei Wohneinheiten
PUK01-EN | PUK02-EN

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Built-in door loudspeaker

Fields of application

number of bell buttons		max. 16 (4x4 button matrix) | 208 (with built-in bell button extension)
number of built-in bell button extensions		max. 6 (each for up to 32 flats)

Functionality calling, communicating and switching

voice transmission		hands-free talking (standard) | simplex communication (can be activated) | full duplex talking for indoor station with handset
acknowledgement tone		when pressing the bell button
length of call	s	56 (adjustable factory setting)
door standby time	s	56 (adjustable factory setting)
door release time at R-terminal	s	3 (adjustable factory setting)
light switch function		on bell button provided by customer
serial numbers per bell button		2
display module function		on socket
TCS:BUS connection | connection for bell button		on pluggable spring clips

Electrical features

input current I(a)	mA	0.4
input current I(P), standby	mA	4.4
input current I(Pmax), max.	mA	140
additional terminal	mA	R (for extended function door release)

Mechanical features

mounting		for built-in behind loudspeaker cover provided by customer
type of housing		built-in housing
material of the housing		plastic
color of the housing		black
weight	g	140

System features

signal transmission and power supply		polarity-free and short-circuit protected 2-wire TCS-BUS
wiring technique (number of wires)		3 necessary
mixed installation of audio, video, access control within in a system		possible

Commissioning and maintenance

error indication		optical | acoustical
status indication		errors | operating modes
plug-in memory		can be changed
slot		to read-in TCU2-memories
configuration options		manually | with Service Device | with configo™
manually adjustable parameters		call destinations resp. light switch function | volume voice output | choice of acknowledgement tone | volume acknowledgement tone
parameters adjustable with Service Device		call destinations resp. light switch function | length of call | change address front-door station | block
parameters adjustable with software		call destinations resp. light switch function | length of call | door standby time | door release time | change address front-door station | block

Dimensions H x W (x D)

built-in door loudspeaker	mm	79 x 112 x 34
microphone cable for decoupling	mm	250

Climatic features

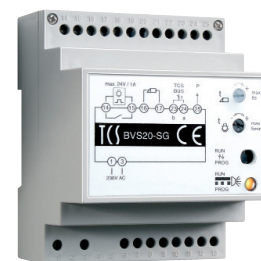|		
acceptable ambient temperature	°C	-20 to +50

Built-in door loudspeaker
for up to 16 flats
ASI11000-0000

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BVS20-SG

Fields of application		
application		audio small systems

Operating and display elements		
Run/Prog-button		reversing key for operating and programming mode
Run/Prog-indication		LED (blinks resp. is ON)
potentiometer		door release time | light switch time

Functionality controlling, switching		
door release function		with integrated supply voltage 12 V, 50/60 HZ / 2 A (door opener ≥ 6 Ohm)
light switch function		with potential-free relay contact (closing contact: 24 V DC / 1 A)
door release time	s	0.8 to 8
light switch time	s	0.8 to 300
voice channel		single (communication betw. front-door/indoor stations within 1 sub system)

Electrical features		
input voltage	VAC / Hz	230 / 50-60
output voltage U (a/b)	VDC	24 ± 1
output voltage U (P/b)	VDC	24
output voltage door opener U(Tö)	VAC / Hz	12 ± 2 / 50 (load-dependent)
output current I(a), at a-terminal	mA	max. 40
output current I(P), at P-terminal	mA	max. 60
acceptable loop resistance	Ohm	max. 20
immunity to short-circuits		line and P-terminal
overload protection P-wire		yes

Mechanical features		
mounting		DIN-rail mounting
type of housing		DIN-rail housing
material of the housing		plastic
weight	g	475

Commissioning and maintenance		
manually adjustable parameters		door release time | light switch time

Dimensions H x W x (D)		
DIN-rail housing	mm	90 x 72 x 70
separating units	SU	4

Climatic features		
acceptable ambient temperature	°C	0 to +40
degree of protection	IP	20

Conformities and certifications		
EMV-tested (EN50081 and EN50082-2)		yes
radio interference suppression (EN55011)		yes
CE-conformity		yes

Power supply and control unit for systems with 1 line.
BVS20-SG

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