

## KNX Technical Manual

# Busch-Presence detector KNX / Busch-Watchdog Sky KNX

Busch-Presence detector mini  
KNX

6131/20-xxx-500



Busch-Presence detector mini,  
premium, KNX

6131/21-xxx-500



Busch-Presence detector KNX

6131/30-xxx-500



Busch-Presence detector  
Premium KNX

6131/31-xxx-500

Busch-Watchdog Sky KNX

6131/40-24-500



Busch-Presence detector  
Corridor KNX

6131/50-xxx-500

Busch-Presence detector  
Corridor Premium KNX

6131/51-xxx-500

# ABB i-bus® KNX

## Movement and Presence Detectors

- = Function is supported
- = Function is not supported

	Mini Basic 6131/20-xxx-500	Mini Premium 6131/21-xxx-500	Basic 6131/30-xxx-500	Premium 6131/31-xxx-500	Sky 6131/40-xxx-500	Corridor Basic 6131/50-xxx-500	Corridor Premium 6131/51-xxx-500
<b>General</b>							
Supply voltage	KNX	KNX	KNX	KNX	KNX	KNX	KNX
Type of installation	flush-mounted/ surface-mounted	flush-mounted/ surface-mounted	flush-mounted/ surface-mounted	flush-mounted/ surface-mounted	flush-mounted/ surface-mounted	flush-mounted/ surface-mounted	flush-mounted/ surface-mounted
Programming button accessible from outside	■	■	■	■	-	■	■
<b>Detection range diameter (sitting / walking person)</b>						<b>Corridor: only walking person</b>	<b>Corridor: only walking person</b>
Installation height 2.5 m	Max. 5.0 m/ 6.5 m	Max. 5.0 m/ 6.5 m	Max. 8.0 m/ 10.0 m	Max. 8.0 m/ 10.0 m	-	Frontal: max. 18 x 2,5 m; Lateral: max. 24 x 2,5 m	Frontal: max. 18 x 2,5 m; Lateral: max. 24 x 2,5 m
Installation height 3.0 m	Max. 6.5 m/ 8.0 m	Max. 6.5 m/ 8.0 m	Max. 10.0 m/ 12.0 m	Max. 10.0 m/ 12.0 m	-	Frontal: max. 20 x 3 m; Lateral: max. 30 x 3 m	Frontal: max. 20 x 3 m; Lateral: max. 30 x 3 m
Installation height 4.0 m	Max. 9.0 m/ 10.5 m	Max. 9.0 m/ 10.5 m	Max. 14.0 m/ 16.0 m	Max. 14.0 m/ 16.0 m	-	Frontal: max. 20 x 3 m; Lateral: max. 30 x 3 m	Frontal: max. 20 x 3 m; Lateral: max. 30 x 3 m
Installation height 6.0 m	-	-	-	-	Max. 18.0 m	-	-
Installation height 12.0 m	-	-	-	-	Max. 24.0 m	-	-
<b>Number of channels</b>							
Movement detector	2	4 in total	2	4 in total	2	2	4 in total
Constant light switch	2	4 in total	2	4 in total	2	2	4 in total
Combination	1 x each	4 in total	1 x each	4 in total	1 x each	1 x each	4 in total
Constant light controller	-	2	-	2	-	-	2
Heating/cooling/ventilation systems (HVAC)	-	1	-	1	-	-	1
Infrared receiver, can be operated via IR remote control 6010-25	-	10 button pairs + 4 single buttons/ 24 single buttons	-	10 button pairs + 4 single buttons/ 24 single buttons	(only red for activation of the programming mode)	-	10 button pairs + 4 single buttons/ 24 single buttons
<b>Two power-off stages</b>							
Movement detector	■	■	■	■	■	■	■
Constant light control	-	■	-	■	-	-	■

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<b>Application</b>							
Surveillance detector	■	■	■	■	■	■	■
Movement detector	■	■	■	■	■	■	■
Presence detector	■	■	■	■	-	■	■
Constant light switch	■	■	■	■	■	■	■
Controller independent of movement	-	■	-	■	-	-	■
<b>Various</b>							
Integrated object room temperature controller with temperature sensor	-	1	-	1	-	-	1
Brightness measurement	■	■	■	■	■	■	■
Calibration of brightness sensor via ETS group objects	■	■	■	■	■	■	■
Programming mode can be activated via IR remote control 6010-25	-	■	-	■	■	-	■
Programming LED can be activated via ETS group objects	■	■	■	■	■	■	■
Number of logic functions (4 different ones)	-	5	-	5	-	-	5