## Key Features:

- Up to 3 front units connectable - custom composition of a wallstation is possible
- Selecting baudrate via DIP switch or software - providing protection against unintended baud rate change as well as high flexibility
- Integrated terminating resistor - no external resistor for CAN bus termination required
- PCB terminal block for easy handling - dual terminal for daisy chaining
- Status-LED - for local indication of connection to the CAN bus
- Wide input voltage range for external supply voltage - 9 V DC up to 58 V DC

  Check the PWS manual and IRIS-Net documentation for more details

General Description:

The Programmable Wall Stations (PWS) are modular standard mount keypads for Electro-Voice NetMax systems. The PWS-C CAN coupler establishes the connection between the front units and the CAN bus. The PWS-C collects and transmits the activity of control elements of the connected PWS modules and sends messages via the CAN bus to controlled devices. The PWS-C also receives data via the CAN bus and displays it on the PWS modules. In this way, a bi-directional communication between the PWS control surfaces an the controlled devices is achieved via CAN bus.
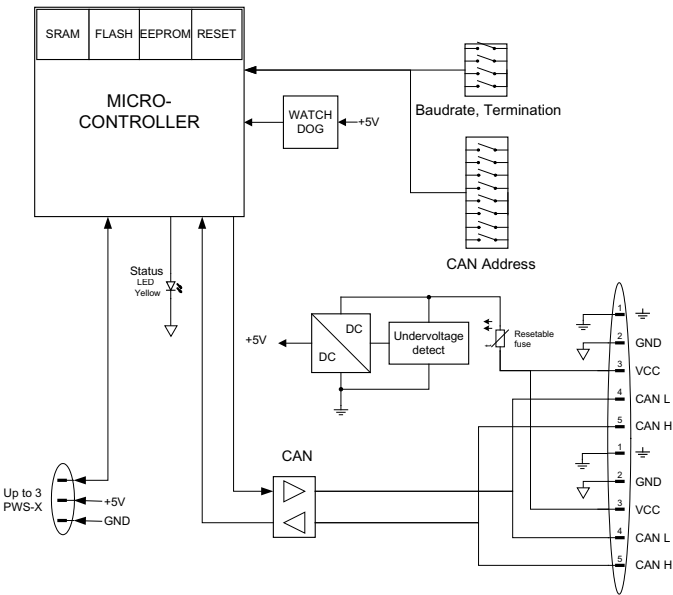
Technical Specifications:

|	
Supply Voltage (external voltage supply necessary):	9 … 58 V DC
Supply Current:	20 mA @ 24 V DC
Power Consumption:	480 mW
Max. Line Length (CAN):	1000 m
Cable diameter (solid wire; flexible wire):	0.5…0.8 mm / 20-24 AWG; 0.2…0.5 mm / 20-24 AWG
Operating Temperature Range:	-5 ℃ … 40 ℃
Dimensions (W x H x D):	48 x 48.5 x 19 mm
Weight:	15 g
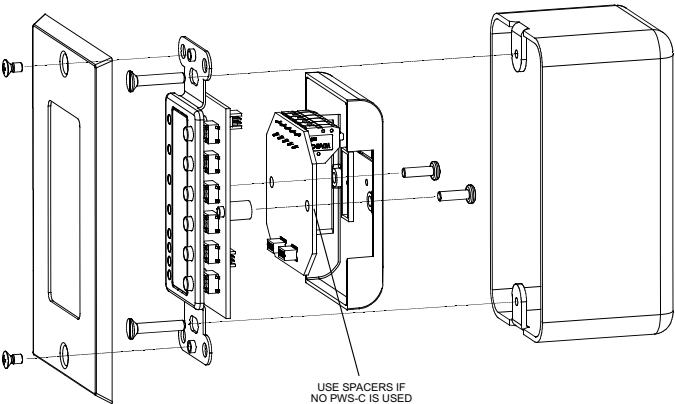
Contents:

Quantity	Description
1	Technical Information, PWS-C
1	PWS-C CAN bus coupler
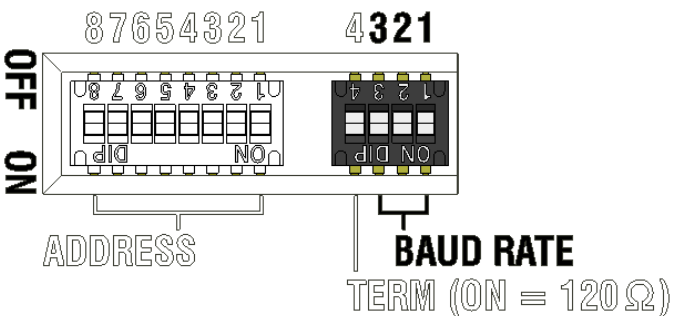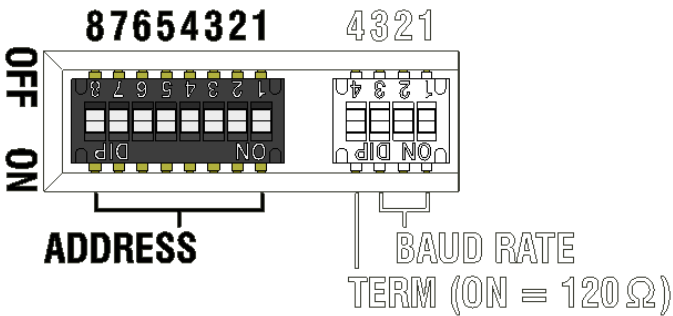
Block Diagram:

Installation Example for 1-gang US Wallbox:

USE SPACERS IF NO PWS-C IS USED

CAN Address and Baud Rate:

87654321   4321

ADDRESS

BAUD RATE

TERM (ON = 120 Ω)

87654321   4321

ADDRESS

BAUD RATE

TERM (ON = 120 Ω)

CAN Address								
8	7	6	5	4	3	2	1	
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	0 (disconnected)
OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	1
OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	2
OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	3
OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	4
OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	5
OFF	OFF	OFF	OFF	OFF	ON	ON	OFF	6
:	:	:	:	:	:	:	:	:
ON	ON	ON	ON	ON	OFF	ON	OFF	250

Termination and Baud Rate				
4	3	2	1	
-	OFF	OFF	OFF	10 kbit/s
-	OFF	OFF	ON	20 kbit/s
-	OFF	ON	OFF	62.5 kbit/s
-	OFF	ON	ON	125 kbit/s
-	ON	OFF	OFF	250 kbit/s
-	ON	OFF	ON	500 kbit/s
-	ON	ON	ON	PROG
ON	-	-	-	Terminated
OFF	-	-	-	Not Terminated

Default values are highlighted.

Notes: The CAN Address must be unique for each device. The CAN bus must be terminated at both ends. The Baud Rate must be identical for all devices, in PROG mode it is preset to 10 kbit/s by default.