

VSE 009 DeviceNet module

VSE 009 is a DeviceNet interface module for VAMP protection relays*. It is normally attached to the REMOTE port D-connector at the back of the relay.



Figure 1. VSE 009 module with communication interfaces and configuration switches:

- ① COM1 serial interface (D-connector)
- ② CAN interface (screw terminal connector)
- ③ DIP switches for selecting TTL or RS-232 signal levels for COM1

With VSE 009 module, a VAMP relay* can be connected to CAN network using DeviceNet as communication protocol.

The pinout for the CAN interface in VSE 009 module is shown in the table below:

Pin	Signal Name	Description
1	V-	Negative bus supply voltage
2	CAN_L	CAN low bus line
3	Shield	Cable shield
4	CAN_H	CAN high bus line
5	V+	Positive bus supply voltage

Note that the V-/V+ voltage (24 Vdc) must be available for the VSE 009 device to operate.

Thick, medium or thin round 5-wire cable should be used to connect the device to DeviceNet network. The wire assignment is shown in the table below:

Wire color	Wire identity	Usage
Black	V-	Power
Blue	CAN_L	Signal
None (bare wire)	Shield	Shield
White	CAN_H	Signal
Red	V+	Power

The pinout for the D-connector of the VSE 009 module is shown in the table below:

Pin	Signal Name
1	NC
2	RXD (data to VSE 009)
3	TXD (data from VSE 009)
4	NC
5	NC
6	NC
7	GND
8	NC
9	+8V in

REMOTE port of VAMP relay is either TTL or RS-232 depending on the relay type. And in some relay types this can also be set by dip switches.

* Not applicable with VAMP50-series

Accordingly, the dip switches of VSE 009 module should be set to the same signal levels, as shown in the table below:

	S1		S2	
	1	2	1	2
TTL	Open	Closed	Closed	Open
RS-232	Closed	Open	Open	Closed

S3 should be always set to the following positions:

	S3	
	1	2
Baudrate	Open	Closed

This sets the COM1 baudrate to 19200bps and should not be changed.

DeviceNet configuration parameters such as MAC ID and baudrate can be set using Vampset software. MAC ID has to be unique in the network and baudrate has to match the one assigned to the network. DeviceNet assemblies should be also configured with Vampset.

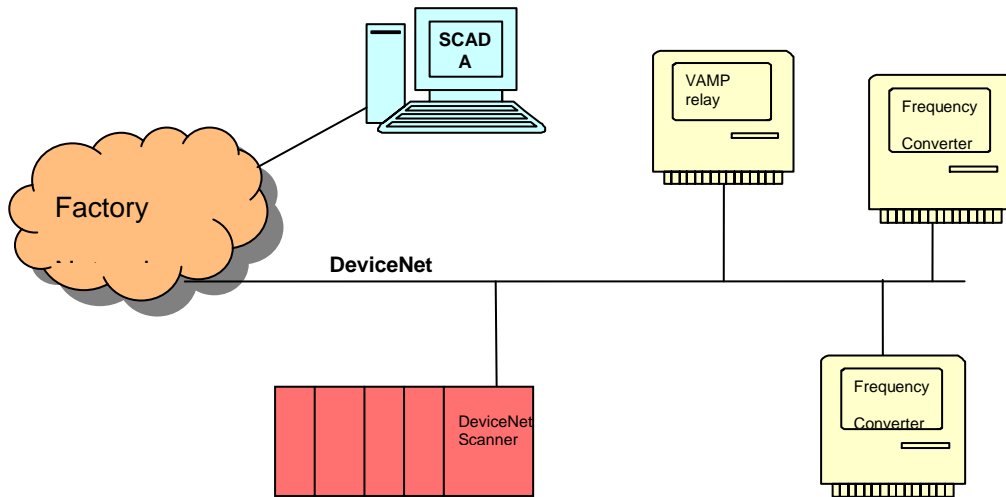


Figure 2. DeviceNet network

Ordering code

VSE 009 DeviceNet module

* Not applicable with VAMP50-series

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