

SMART web server integration



Open and close command allows the end user to perform actions on the NV-X1 or NV-X2, and thus on the main protection device and the downstream installation circuits.
→ It helps to save costs and time in case of maintenance operations and the need to shut down/reactivate the affected lines.



Tripping and operations event counter (times, D/H) is the number of operations (1,2,3....) handled and monitored by the NV-X1 or NV-X2.

→ Checking the event logs with its collection of event and alarm history, helps to track the installation status.



Optimum interface
Customizable dashboard in the InSite web server with user-friendly widgets and alarm setup.



Firmware upgrade
Remotely upgrade the firmware of NV-X1 through the InSite **** web server.



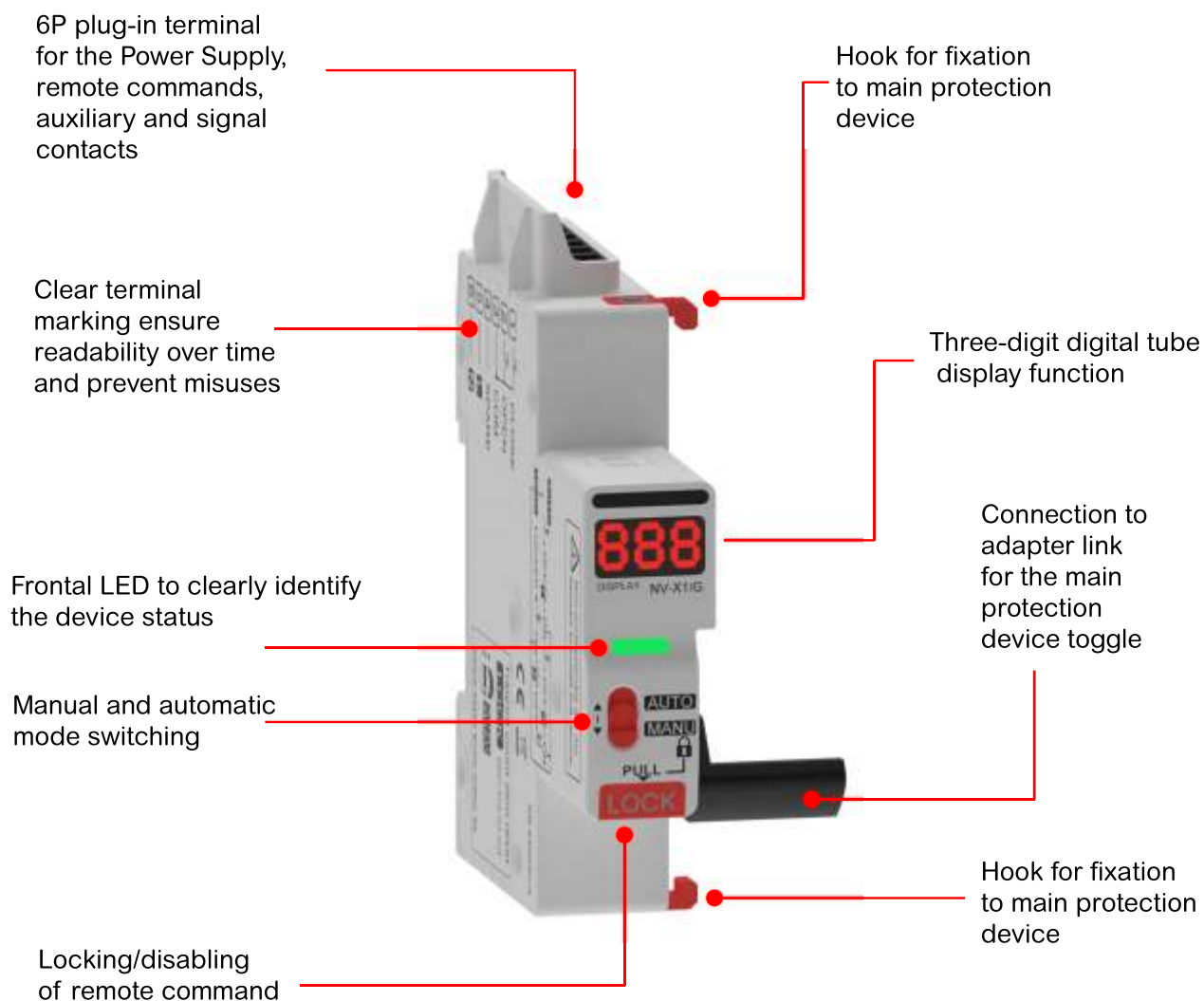
Settings
for autoreclosing units, a number of parameter values can be managed and adjusted by the user.
→ System customization can provide easy and flexible management.



Connection status
states if the NV-X1 or NV-X2 are correctly connected to InSite.
→ If the device is not connected, it will not be visible on the web server. Network status needs to be checked and connection operations may need to be performed again.

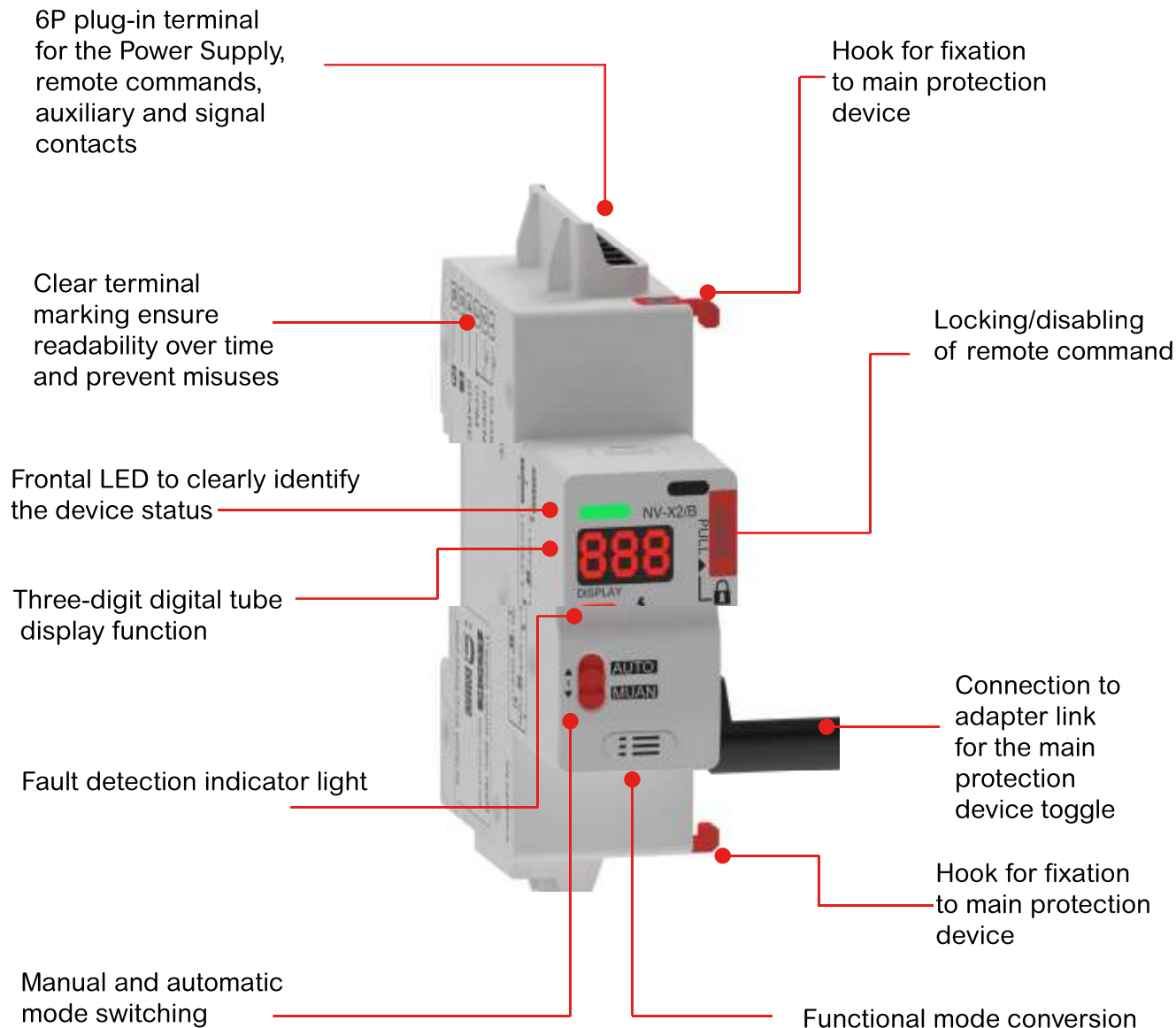


Main protection device monitoring
Shows the status of the protection device upstream NV-X1 or NV-X2.
→ If the protection device is switched off and the downstream equipment is no longer running, the user is informed and can decide what action to take.



Compactness

As the Motor Operating Devices and Auto-Reclosing units come in a single module, they can help save space in switchboards and consumer units.

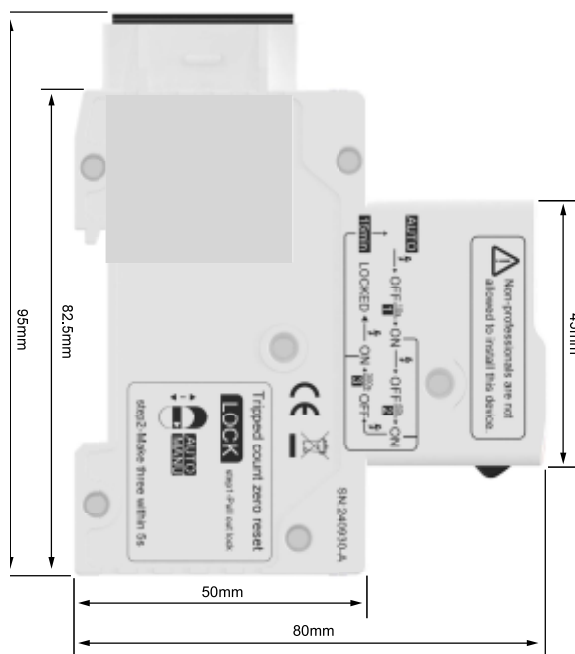
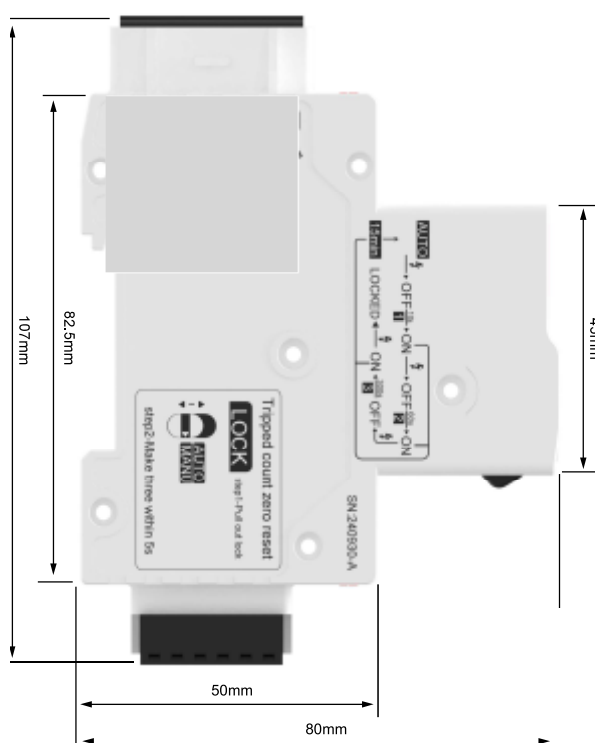


Connectivity

The ranges can be fully integrated into the InSite energy management system either via Modbus or via Wi-Fi, thanks to the compact communication modules* that can be mounted on the Motor Operating Devices and Auto-Reclosing units.

Expandability

Enhanced compatibility with main protection devices and with the wide portfolio of System pro M compact accessories, as well as the extended voltage ranges in two versions (24-48 V AC/DC and 230-240 V AC), allow more flexibility when installing.





YAR9-NV-X1 Series

Technical features

Suitable for:

MCBs ***** and ***** series
RCCBs ***** (up to 100A) and ***** B type (up to 63A)
RCBOs *****
Switch Disconnectors *****

Number of modules	1	
Operating voltage	24...48 V AC/DC -10% +10%	230-240 V AC -15% +10%
Power consumption during operation	<28 VA	<30 VA
Power consumption at rest	<1 VA	<1,5 VA
Closing time	<1 s	
Opening time	<1 s	
Mechanical endurance	10000	
Protection degree acc. To EN 60529	IP40 (housing)/IP20 (terminals)	
Operating temperature (with daily average $\leq +35^{\circ}\text{C}$)	$-25 \dots +60^{\circ}\text{C}$	
Storage temperature	$-40 \dots +70^{\circ}\text{C}$	
Overvoltage category	III	
Pollution degree acc. to EN 60664	2	
Shock resistance acc. to IEC/EN 60068-2-27	25g, 2 shocks, 13ms	
Vibration resistance acc. to IEC/EN 60068-2-6	1g - 20 cycle at 5... 150 ...5 Hz	
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	28 cycles with $55^{\circ}\text{C}/90-96\%$ and $25^{\circ}\text{C}/95-100\%$	
Terminal type	plug-in	
Cross-section of conductors	0,2...2,5 mm ²	
Tightening torque	0,4 Nm	
Stripping length of the cable	5 mm	
Cable length of the control circuits	10 m	

NewTrend YAR9-NV-X1 | Technical parameters

Select the control supply to suit the exact module version.

Specify the paired breaker model, poles and current for mechanical matching.



YAR9-NV-X2 Series

Technical features

Suitable for:

MCBs NV-X1 and ***** series
 RCCBs ***** (up to 100A) and *****B type (up to 63A)
 RCBOs *****
 Switch Disconnectors *****

Number of modules	1	
Operating voltage	24...48 V AC/DC -10% +10%	230-240 V AC -15% +10%
Power consumption during operation	<28 VA	<30 VA
Power consumption at rest	<1 VA	<1,5 VA
Closing time	<1 s	
Opening time	<1 s	
Mechanical endurance	10000	
Protection degree acc. To EN 60529	IP40 (housing)/IP20 (terminals)	
Operating temperature (with daily average $\leq +35^{\circ}\text{C}$)	$-25 \dots +60^{\circ}\text{C}$	
Storage temperature	$-40 \dots +70^{\circ}\text{C}$	
Overvoltage category	III	
Pollution degree acc. to EN 60664	2	
Shock resistance acc. to IEC/EN 60068-2-27	25g, 2 shocks, 13ms	
Vibration resistance acc. to IEC/EN 60068-2-6	1g - 20 cycle at 5... 150 ...5 Hz	
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	28 cycles with $55^{\circ}\text{C}/90-96\%$ and $25^{\circ}\text{C}/95-100\%$	
Terminal type	plug-in	
Cross-section of conductors	0,2...2,5 mm ²	
Tightening torque	0,4 Nm	
Stripping length of the cable	5 mm	
Cable length of the control circuits	10 m	

NewTrend YAR9-NV-X2 | Technical parameters

Select the control supply to suit the exact module version.

Specify the paired breaker model, poles and current for mechanical matching.