

NCS

NCS (Network Communications Server). Advanced SNMP agent, Web server, E-mail alert agent and gateway for remote management of the ACM1D and NRC50 DC system controllers

Key Features

The NCS module (Network Communications Server) opens the ACM1D and the NRC50 controllers to the Internet standard widespread network protocols (TCP/IP) on Ethernet and makes it:

- an SNMP agent,
- a Web server,
- an alarm-to-email source over SMTP,
- a gateway to the Win1D, Win50 and WinSite management software packages.

• SNMP agent operation

The SNMP agent opens the DC system controllers to this much favoured network management protocol. The agent includes an extensible MIB. This MIB offers an extended view on system measurements and parameters to standard NMS's such as HP-Openview, Castle Rock SNMPc, IBM NetView, Novell ManageWise... System alarms can trigger SNMP traps to a non-limited list of NMS targets. Parameters and commands can be set through SNMP too.

• Web Server Operation

The Web server sends HTML pages which reflect the current state, measurements and alarms of the system. These pages can be viewed on any ubiquitous Web browser such as Opera, Internet Explorer, Netscape Communicator.

Upon alarm conditions, the alert service sends electronic mail messages through a SMTP server to a non-limited list of recipients.



NCS 1U version



DIN rail version

• Software

The NCS gateway enables the Win1D/Win 50/WinSite software suite to communicate over IP to the power equipment.

• Connections

Physically, the NCS incorporates an 8-way RJ socket as its standard 10 base T Ethernet port.

• Security

This gateway can be controlled, updated and configured through password-protected FTP.

The general security model of Win1D/Win 50/WinSite applies. Only a few commands are supported through SNMP with a separate community string for writing.

For use with controllers:

ACM1D, NRC50

NCS (Network Communications Server). Advanced SNMP agent, Web server, E-mail alert agent and gateway for remote management of the ACM1D and NRC50 DC system controllers

SPECIFICATION

Connections		
Supply	12 to 80 VDC – 50 mA (48Vdc)	
Communication		
	ACM1D	NRC50
Controller	8-way direct RJ cable to the controller RS232 serial port	8-way RJ wall socket for a direct patch cord to an Ethernet switch/hub
Protection		
Input	Fuse	
Mechanical specification		
1U rack (NCS 1U)	External option 1U high x 19" rack Front panel with reset button, activity, link and power-up LED's and RJ-connections (serial and Ethernet)	
DIN rail	600 mm DIN rail (582 mm (between fixing hole) x 10 mm deep x 100mm high Intended to fit inside a cabinet at the rear	Optional integration in the NRC50 unit
Ingress protection	IP20 in 1U rack version	See NRC50 specification
Environmental		
	ACM1D	NRC50
Cooling	natural convection	
Storage temperature	-20°C to 85°C	See NRC50 specification
Operating temperature	-20°C to 85°C	
Altitude	0 to 10,000 feet operating	
Standard		
Safety	EN60950	
EMC	EN50081-1, EN50082-2, class A	