

Simple Network Management Protocol Card

(SNMP DY802)

Quick Installation Manual

TOTAL POWER SOLUTIONS

Schneider Electric

1.1 Features

DY802 is a new generation SNMP (Simple Network Management Protocol) monitoring product. Not only get the current status of it, also could provide other functions, ex. connects to SMS Agent or SMS server to make the monitoring possible when there is an abnormal condition and send SMS notification.

This product is for "Contact Closure" and "RS232" interface UPS. DY802 provides a simple and easy installation procedure. And it offers configurations could be accomplished in the Web browser.

Features:

❶ Provide SNMP MIB to monitor & control UPS;

❷ Auto-sense 10M /100M Fast Ethernet;

❸ Manage and configure via Telnet, Web Browser or NMS;

❹ Support TCP/IP, UDP, SNMP, Telnet, SNTP, PPP, HTTP, HTTPS, SMTP Protocol;

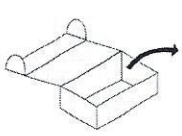
❺ Support SSL/TLS Encryption;

❻ Providing easy setup and upgrade;

❼ Send SNMP TRAP; E-mail and SMS for events notification;

❽ Auto email daily UPS history report

1.2 UNPACKAGING AND CHECKS

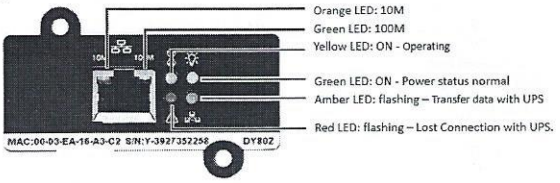






1.3 Outlook and LED Indication

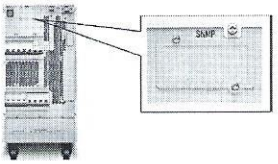


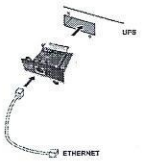


Status LED		
Yellow	ON	Operating
	OFF	Stop working
Green	ON	Normal
	OFF	No Power
Red	Flashing	Lost connection
	OFF	Connecting with UPS
Amber	Flashing	Transferring data with UPS

2.1 Hardware Installation

- Find INTELLIGENT SLOT on the UPS and remove the panel
- Insert DY802 into the slot and fit into the connector, and screw lock on the two sides
- Connect the ETHERNET.





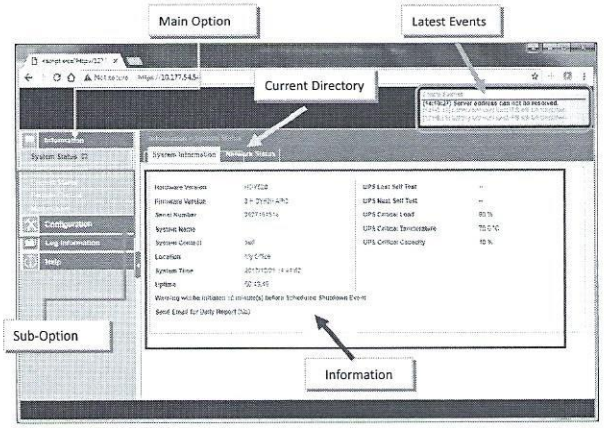
3.1 Introduction

DY802 can be login via web or HyperTerminal with protocol and encryption of HTTP/HTTPS/SSH/Telnet. Enter the IP address of DY802 to configure and monitor the UPS status.

3.2 Web Interface

To check whether the SNMP Card (DY802) is operational after installation and configuration, proceed as follows.

- Run a browser
- Enter in the address bar:
  Default setting: http://192.168.5.105/
- The home page is displayed Connect



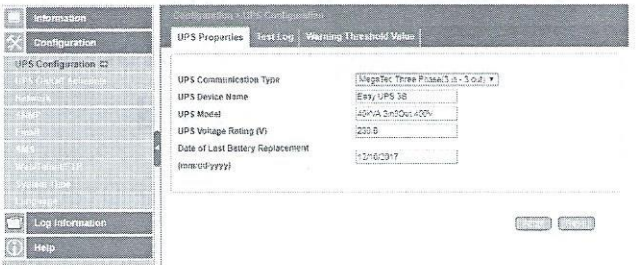
3.2.1 UPS Configuration and IP setting

UPS Properties

UPS Communication Type:

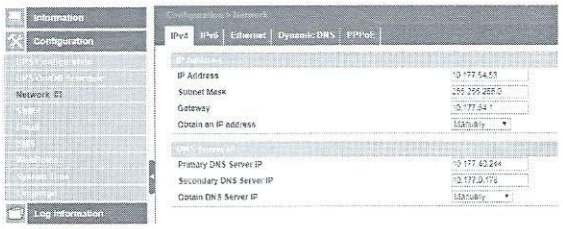
In order to let DY802 and UPS to establish the communication, select the compatible protocol which your UPS supported from the list. Wrong protocol selected would cause no communication at all.

For 3 in – 3 out, select "MegaTec Three Phase (3 in – 3 out)".
For 3 in – 1 out, select "MegaTec Three Phase (3 in – 1 out)".



IP Setting

To set IP address



For more information on the supervision, control and configuration offered by DY802 SNMP card, see the user manual on the www.schneider-electric.com web site.

Specification

4.1 General Specification

CPU	ARM 266MHz 32Bit
System Clock	208MHz
Flash Memory	8M Byte
SDRAM	32M Byte
LED	6
Watch Dog	Yes
Modem Port	No
Environment Port	No
Real Time Clock	Yes
LCD Display	No
LAN Interface	10M/100M UTP
Ethernet Throughput	1620K Byte per seconds
Ethernet Latency	0.759 milliseconds

4.2 Power Specification

ITEM	Minimum	Maximum
DC Input Voltage	+5.3V	+40V
DC Input Current		3W Maximum

4.3 Pin Assignment

Pin	Input/Output	Description
P1 GND	GND	Ground PIN
P2 PowerIn	Input	DC power input.
P3 RS232_TXD	Output	+5.5V and -5.5V Voltage level for RS232
P4 RS232_RXD	Input	-3V to -15V for logic '1', +3V to +15V for logic '0'
P5-P7 No USE		
P8 SNMPSIG		DY802 card plug in detect, connect to PIN 10
P9 GND	GND	Ground PIN
P10 SNMPSIG		DY802 card plug in detect, connect to PIN 8
P11-P26 No Use		

4.4 Signal Specification

4.4.1 Receiver Inputs

PARAMETER	CONDITIONS	MIN	TYP	MAX
Input Voltage Range		-25V		+25 V
Input Threshold Low	TA = +25°C	+0.6V	+1.2V	
Input Threshold High	TA = +25°C		+1.5V	+2.4V
Input Hysteresis			0.3 V	
Input Resistance	TA = +25°C	3 k ohm	5 k ohm	7k ohm

4.4.2 Transmitter Outputs

PARAMETER	CONDITIONS	MIN	TYP	MAX
Output Voltage Swing	All transmitter outputs loaded with 3k ohm to ground	±5.0V	±5.4V	
Output Resistance	TA = +25°C	300	10M	
Output Short-Circuit Current			±35 mA	±60 mA

4.5 Environment Specification

PARAMETER	CONDITIONS	Minimum	Maximum
Operating Temperature		0 °C	60 °C
Storage Temperature		-40 °C	85 °C
Operating Humidity	Non-Condensing	5% RH	95% RH
Storage Humidity	Non-Condensing	0% RH	95% RH

EMI
FCC Class B, CE