

Thank you for your decision to purchase a NIVELCO product.

1. APPLICATION

The UNICOMM SAT-506 eLINK unit can be plugged into the display port to connect compatible NIVELCO devices to a PC. It allows software/firmware updates and data logger reading for NiFlash, EView2, and Datascope programs via a mini USB type B connector. It also provides a galvanically isolated power supply and high-speed communication to the device.

2. TECHNICAL DATA

2.1 General data

	SAT-506-0	SAT-506-1
Supply voltage	DC 5 V (USB), Galvanically isolated	
Connection	Mini USB type B	
Function	Software/firmware update, Data connection (Data logger reading)	Data connection (Data logger reading)
Required software	NiFlash, EView2, Datascope (SE-300 Data logger reading)	EView2, Datascope (SE-300 Data logger reading)
Ambient temperature	-20...+55 °C (-4...+131 °F)	
Ingress protection	IP20	
Electrical protection	Class III. Galvanic isolation (500 V rms)	
Weight	100 g (0.22 lb)	

2.2 Accessories

- User's manual
- Warranty card
- EU Declaration of Conformity

2.3 Order codes

UNICOMM

S A T - 5 0 6 -

Function	Code
eLINK plug-in unit	0
eLINK plug-in unit, for data logger readout only	1

UNICOMM

SAT-506-□
eLink Module

USER'S MANUAL



Manufacturer:

NIVELCO

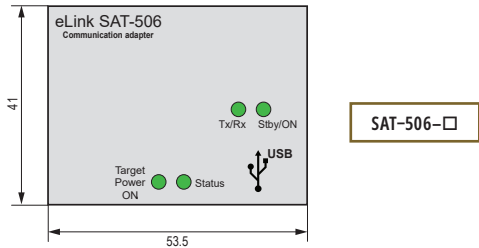
Process Control Co.

1043 Budapest, Dugonics u. 11.

E-mail: sales@nivelco.com ■ nivelco.com

sat506en24h01

2.4 Dimensions



3. WIRING, OPERATION

The SAT-506 can be plugged into the programmable transmitter’s display connector. The SAT-506 does not have ESD protection, so it can only be used when plugged into the device. Please avoid direct contact with the SAT-506’s connectors!

Do not leave the SAT-506 connected to the device in the following cases:

- when it is not connected to USB.
- when updating and data reading is finished.

The SAT-506 may cause additional power consumption in the transmitter, so please remove it from the transmitter after programming/diagnostics are completed.

The operation of the SAT-506 can be monitored through several LED indicators:

Standby/ON	Yellow indicates that the SAT-506 is receiving power from the USB, but the device is inactive. Green indicates that the SAT-506 is active.
Tx/Rx	Red/Green indicates data traffic on the USB side.
Status	Red indicates that the SAT-506 has received a command from the PC. Green indicates that the SAT-506 has switched to programming mode. Flashing green indicates that the SAT-506 has switched to data connection (bypass) mode.
Power ⁽¹⁾	Yellow indicates that the SAT-506 uses its internal power supply for programming. Flashing yellow indicates a power supply error. Green indicates that the transmitter’s power supply is active.

⁽¹⁾There is no function for this LED on the SAT-506-1 model!

4. MAINTENANCE, REPAIR

The device does not require regular maintenance. Refer to the warranty card for warranty information.

The device returned for repair must be cleaned by the user, all chemical deposits must be removed, and the device must be disinfected before sending it back. In addition, the return package must include a properly filled [Return Merchandise Authorization form \(RMA\)](#), in which the sender declares that the device is free of all contamination and substances hazardous to health.

4.1 Storage conditions

Ambient temperature: -30...+60 °C (-22...+140 °F)

Relative humidity: max. 98%.