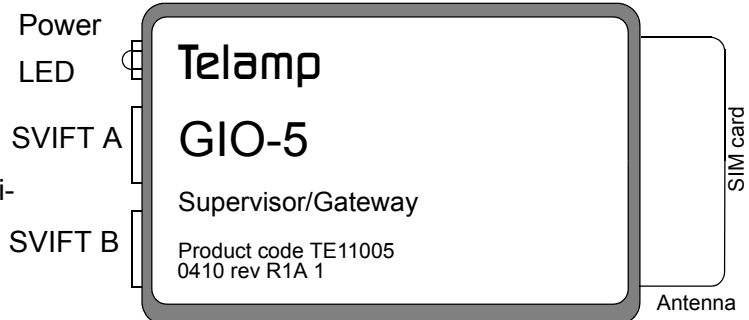


Highly configurable SVIFT to GSM supervisor/gateway unit.

- Supervises either a SVIFT loop or two individual chains and reports A or B alarms as SMS messages.
- Configurable gateway functionality for incoming calls for full external supervision and control.
- Configurable control of LEDs on unit causing alarm.
- Powered only via jack - max 500mA peak consumption (20mA idle).
- Rich variety of mounting options: DIN-rail, 19" rack, wall...
- Plus all the distinctive SVIFT features: self configured relative addressing, low cost daisy chain bus, open protocol, redundancy capability.



GIO5 is a supervisor for SVIFT equipment, indicating status in any of the connected units by sending an SMS in case of a new alarm. The SMS contains textual information on: alarm level (A or B), node name, object name and port name causing the alarm. Up to 8 nodes can be supervised, connected to both or one of its SVIFT interface jacks, as separate chains or in a loop configuration. It scans all connected nodes for ROFLB objects and sends an SMS when new A- or B-alarm bits in these. It also optionally can handle the LEDs on the connected units to identify which unit causes the alarm.

GIO5 also acts as a gateway for incoming calls. After password control, it becomes transparent and thus allows full access to all SVIFT nodes - for external supervisions as well as control.

GIO5 main intended application is as only supervisor, and it is thus default configured not to respond to messages nor to pass on messages between its two SVIFT interfaces. This behaviour is however configurable - it can also act as a normal SVIFT node. The following SVIFT protocol objects are available when configured to respond to messages:

Description by SVIFT protocol objects (refer to SVIFT protocol documentation):

Object	Name	Description
4STCTL	StdLED	The LED at the SVIFT interface side of the unit. It is normally lit green when the unit has input power, but can change to red in four states: "Off", "Slow flash", "Fast flash" and "On".
NVSTR	ProdIndivData	A 100byte non-volatile string for storage of arbitrary product administrative data. Its default contents is empty (zero bytes).

Object	Name	Description
ROFLB	IFLAGS	<p>This flag byte has the following bits implemented:</p> <p>“A_INV” and “B_INV”. These flags indicate that normal input voltage is missing at either the A or B side SVIFT interfaces.</p> <p>“NOLOOP” Indicates there is no external loop from the A to B SVIFT interfaces.</p> <p>“UNSTAB” Indicates GIO5 can not interpret the responses from the SVIFT interfaces - they appear unstable.</p> <p>Only the UNSTAB is default configured as a B-alarm, the other bits as no alarm.</p>

The following behaviour is also configurable:

- Whether to respond to any requests to the above described objects - default disabled.
- Where to send SMS in case of alarms (max 3 numbers, no numbers = supervision disabled))
- Whether to pass on messages (not addressed to this unit) between the SVIFT interfaces like an ordinary IO adapter - default disabled.
- Whether to handle the LEDs of connected units - default enabled. And if enabled also which LED state corresponds to non-alarm, B-alarm, A-alarm - default Off, Slow Flash, On.
- Whether to handle its own LED - default enabled. And if enabled also which LED state corresponds to non-alarm, B-alarm, A-alarm - default Off, Slow Flash, On.
- Gateway functionality ON/OFF (default ON).
- Gateway password max 8 characters.

All configurations can be done using the freely available SVIFTerm GUI java application program. Maximum name length - for configurable names - is 9 characters. The configuration can optionally be protected by use of a separate password.

Antenna connector

Connector type MMCX. Adapter to FME connector or antenna are not included (order separately).

SIM card

Uses normal SIM card.

Specifications

Dimensions:	85x50x27 mm
Operating Temp Range:	-10C ...+60C
Power Connector:	EIAJ RC-5320 type III
Power Supply Voltage:	6..12V DC
Current consumption:	500 mA peak, 200mA “off hook” - 30mA idle.
Feed to SVIFT Interface:	max. 150mA (guaranteed limit <340mA)