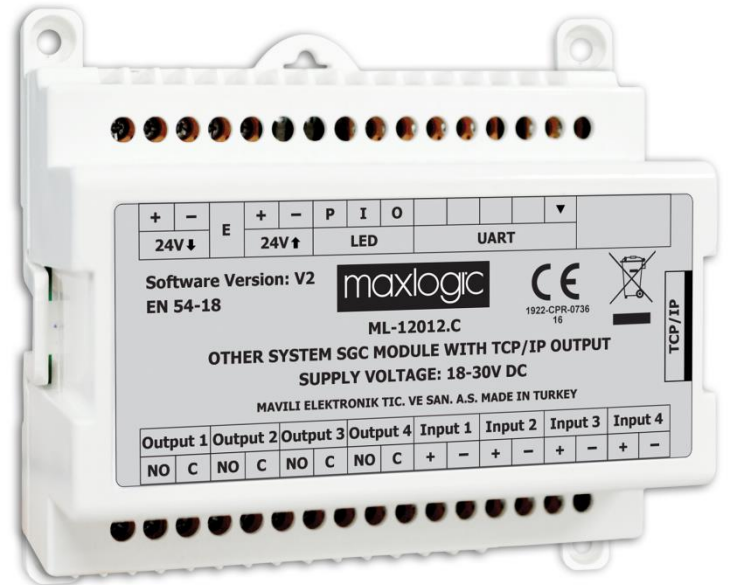## ML-12012.C & ML-12012.UART

MAXLOGIC OTHER SYSTEM SGC MODULE, UART - TCP/IP OUTPUT

ML-12012.X SGC (Single Gateway Control) I/O module is designed for monitoring and controlling the systems except Maxlogic series intelligent addressable system via supervisor. It needs 18-30V DC external power supply. Communication is provided by TCP/IP and UART ports. Communication can be done in 3 optional way;

1. ML-12012.UART / UART SGC MODULE

Uart port is used both for communication between supervisor and configuration. Uart port is used to provide communication between panel and PC for max. 2 m. When using the UART port, connection between PC and module should be done via ML-0922 cable and ML-0910 Uart / USB converter. ML-0910 Uart / USB converter is plug into PC USB port.

2. ML-12012.C TCP/IP SGC MODULE

TCP/IP port provides communication between the Supervisor installed PC and panel via internet (LAN or WAN). Uart port is plug in for configuration.

There are 4 inputs and 4 outputs for controlling and monitoring external systems in SGC module. Defined events on inputs to trace the external systems:

• Input1 : System Fault

• Input2 : Alert

• Input3 : Fault

• Input4 : Fire

Produced outputs for controlling external systems:

• Output1 : Silence Alarm

• Output2 : Reset

• Output3 : Alarm

• Output4 : Evacuation

INDICATORS

Power LED (P): Illuminates continuously when module is energized.

Input LED (I): Illuminates when input is active.

Output LED (O): Illuminates when output is active.

TECHNICAL SPECIFICATIONS

Operating Voltage	18V - 30V DC
Operating Current	Max. 50mA
Weight	155 g
Dimensions (LxWxD)	100 x 100 x 52 mm
Operating Temperature	(-10°C) - (+55°C)
Storage Temperature	(-30°C) - (+60°C)
Relative Humidity	%0-95 (+40°C non-condensing)
Output Contact Capacity	Max. 100mA
Defined Input Signal Range	Min. 5V DC / Max. 30V DC

MODELS

Product	Description
ML-12012.UART	Maxlogic Other System SGC Module, UART output
ML-12012.C	Maxlogic Other System SGC Module, TCP/IP output

Communication with ML-1632.X Supervisor software and Module Configuration

ML-0910 Uart / USB Converter

ML-0922 UART Cable

24V DC POWER
+ — E

Earth
24V DC Output (+)
24V DC Output (-)

INTERNET (LAN/WAN)

Software Version: V2
EN 54-18

maxlogic

CE

1922-CPR-0737 16

ML-12012.X
OTHER SYSTEM SGC MODULE WITH TCP/IP OUTPUT
SUPPLY VOLTAGE: 18-30V DC
MAVILI ELEKTRONIK TIC. VE SAN. A.S. MADE IN TURKEY

TCP/IP

ML-1632.X Communication with supervisor software

+	−	E	+	−	P	I	O				▼	
24V↓			24V↑		LED			UART				

Output 1		Output 2		Output 3		Output 4		Input 1		Input 2		Input 3		Input 4	
NO	C	NO	C	NO	C	NO	C	+	−	+	−	+	−	+	−

NO C Control signal output

18-30V GND
Another System Signal Output