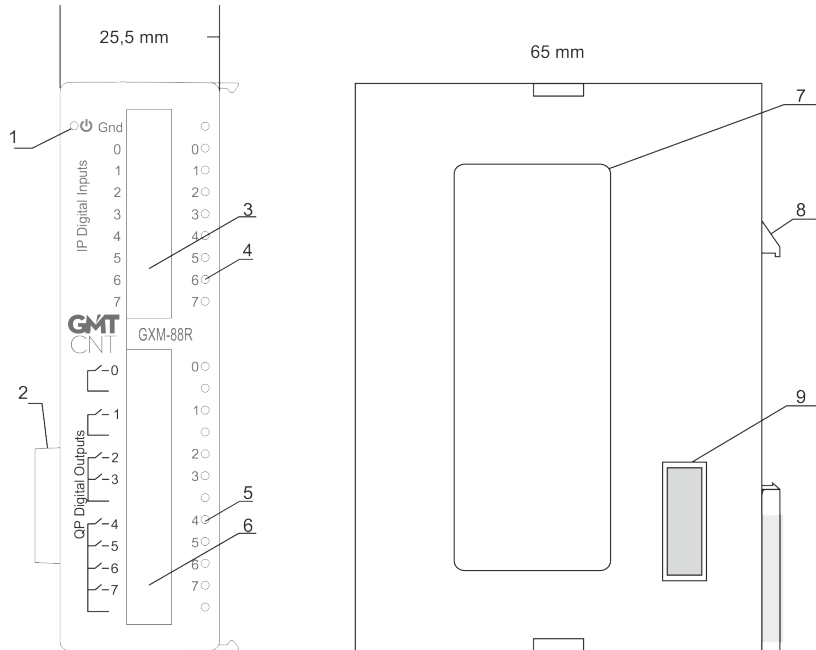# GMT GXM-88R

GMTCNT PLC EXTENSION MODUL
USER'S MANUAL

⚠ Please read this document carefully before using this product. The guarantee will be invalidated if the device is damaged by not following instructions detailed in the manual. The company shall not be responsible for any damage or losses however caused, which may be experienced as a result of the installation or use of this product.

1) To avoid damaging the system, do not connect/disconnect the device when power is on.
2) Make wiring according to user manual to avoid damaging the system.
3) Do not touch live wires.
4) CE Market according to European Norms.
5) Do not Plug modul to PLC when power is on

R⊕HS Compliant   C E

TECHNICAL SPECIFICATIONS

GXM-88R PLC modul support 8 digital inputs, 8 relay outputs. Outputs divided 4 gropus.

Modul parts and mechanic dimensions

1	Modül power status led
2	Extension modul connector.
3	Digital input terminals
4	Dijital input status leds
5	Dijital outputs status leds
6	Digital output terminals
7	Label area
8	DIN Rail mounting clip
9	Extension modul connector.

Technical Specifications

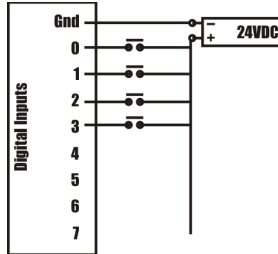| Name	Part	Description
General	Power supply	Internal
	Power consumption	1WMax.
Giriş/Çıkış	Digital outputs	8 channels 220V 3A relay outputs,
	Digital inputs	8 channels 24VDC pnp, 5mA, Logic 1 for >16VDC,Logic 0 for <12VDC
Environmental conditions	Temperature	-10..+60C (without icing)
	Humidity	5..95rH
	⚠	Do not use the device in locations subject to corrosive or flammable gasses.

Electrical connections

Power wiring
Modul power support from PLC unit. There is no need to connect any power connection.
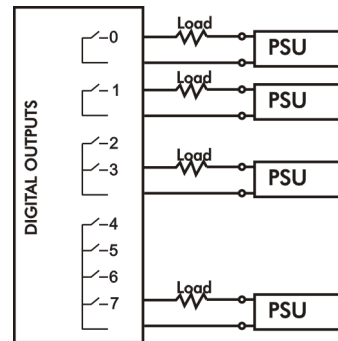
Digital inputs
Logic inputs type are 24VDC pnp. Common connections is 24V- and external common is +24V. If the logic is high, then the LED will turn on, if not LED will be turned off. Count speed is 1kHz.

Digital outputs
There are 8 relays as logic outputs. They are divided in 4 groups in QP0,QP1,QP2-3,QP4-7.
The max current is 220VAC 3A for relay contacts. Minimum time between on/off is 100ms for relays.
Max current of common wires is 220VAC ,10A. The LEDs indicates the status of outputs.

Addressing IO's
The address of the IO's depend on the sequence number of the modul in extension BUS.

Addressing formula like this (sequence number x 16 + IO_no)
Example
IP4 point of second modul address is 2x16 + 4 = IP36
Or ;
QP0 relay output of first modul IO address is 1x16+0 =QP16
There are 16 addresses allocated for each modul. (Input and outputs seperated)

IO configuration must define in GMTSoft editor program. Modul configuration must match real combination. PLC can extend with 16 moduls.

Installation of GMTSoft Ladder program
Setup program can be found at http://gmtcontrol.com/images/files/PLCSetup.exe

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Installation Rules

Before using this product, the user must read and understand this document.

- 50mm space required between modul's top/bottom edges & enclosure walls.
- Do not connect either the 'Neutral' or 'Line' signal of the 220VAC to the Gnd Pin.
- Use latest version of GMTSoft program.