

PLC Programmable Logic Controller, GENIE-NX



PLC GENIE - NX

Extension module I/O

- ◆ Backlit LCD Screen and 8 digital inputs
- ◆ Supports up to 48 I/Os (32 digital inputs and 16 digital outputs)
- ◆ 250 lines of LADDER programming
- ◆ 16 soft text messages, time switches, compare counters, timers and counters
- ◆ PC software for programming, online and offline simulation, documentation and printing
- ◆ Designed for use in automation for commercial and industrial sectors
- ◆ CE, RoHS, UL

TECHNICAL SPECIFICATIONS:

	G7DDT9:	G8DDT9:
▷ Supply voltage:	110-240V AC (-20% +10%), 50-60HZ	12 - 24V DC (-20% +10%)
▷ Analog input range:	OxI	Two, 0 - 10V DC
▷ Digital inputs:	8	6
▷ Power consumption:	up to 5W	
▷ Modbus communication:	NAI (RTU slave)	
▷ Switching contacts:	4 SPST relays 8A @ 240V AC / 5A @ 30V DC (resistive)	
▷ I/O extension (max.):	up to 3 units, total 32 inputs, 16 outputs	
▷ Timers:	16	
▷ Counters:	16	
▷ Time switches:	16 (weekly / daily)	
▷ Dimensions (W x H x D):	72 x 65 x 90 mm	
▷ Weight:	248 gr	
▷ Standards:	IEC 61000, IEC 68-2-6, CISPR 14-1	

TYPE	DESCRIPTION	CODE
G7DDT9	Basic unit PLC "Genie-Nx" with LCD, 110 - 240V AC, 50-60HZ 8 digital inputs, 4 relays	178.10.010
G8DDT9	Basic unit PLC "Genie-Nx" with LCD, 12 - 24V DC 6 digital inputs, 2 analog inputs, 4 relays	178.10.020
G7DDT6E	Extension module for PLC "Genie-Nx" G7DDT9, 110 - 240V AC, 50-60HZ 8 digital inputs, 4 relays	178.20.010
G8DDT6E	Extension unit for PLC "Genie-Nx" G8DDT9, 12 - 24V DC, 6 digital inputs, 2 analog inputs, 4 relays	178.20.020
GFDNN1	USB communication cable	178.20.030
GFDNN2S	Communication cable RS232	178.20.035
GNXNN1	Genie NX soft, CD software (you can visit our site www.noratex.gr to download it)	178.20.040
GFDNN3M	Memory card	178.20.050
G7XDTR4	RS485 module, 110 - 240V AC	178.20.060
G8XDTR4	RS485 module, 12 - 24V DC	178.20.070

Electronic timer on-delay, din rail type, MICON-175

- ▷ Supply voltage: 240V AC, 24V AC/DC (-20% +10%), 50/60 HZ
- ▷ Timing range: 0.3 sec - 30 hrs
- ▷ Reset time: 100 ms
- ▷ Output: 1NC / 1NO, 5A 240V AC / 24V DC
- ▷ Led indication: green (power ON), red (relay ON)
- ▷ Standards: IEC 61000, CISPR 14-1



Electronic timer on-delay
12ODT4

TYPE	DESCRIPTION	CODE
12ODT4	Timer On-delay, 0.3s - 30h, Micon-175	184.14.010

Electronic timer multi-function (17 functions), din rail type, ELIRO

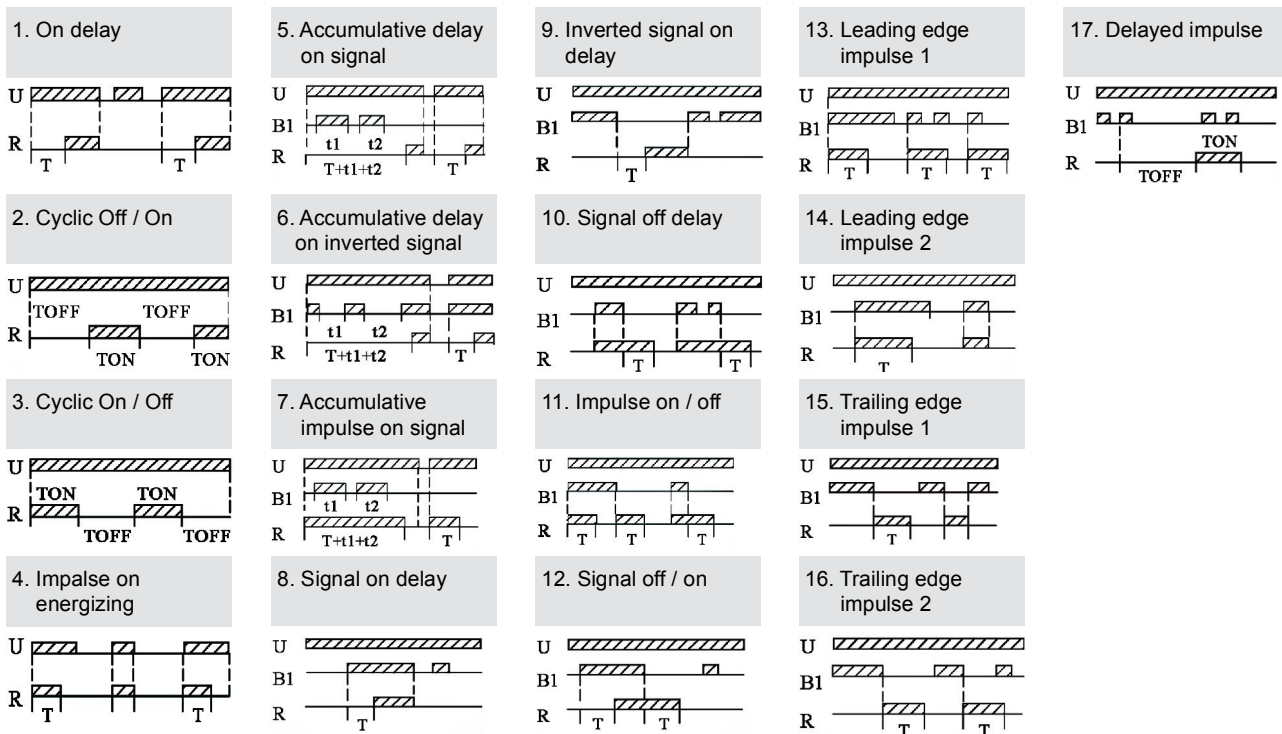
- ▷ Supply voltage: 24 - 240V AC/DC (-15% +10%), 50/60 HZ (±2HZ)
- ▷ Timing range: 0.1 sec - 999 hrs (± 0.5%)
- ▷ Output: 8A 240V AC / 24V DC
- ▷ Led indication: red (relay ON)
- ▷ LCD display: 3 digits
- ▷ Standards: IEC 61000, IEC 60068, CISPR 14-1



Multi function electronic timer
Eliro V0DDTS1

TYPE	DESCRIPTION	CODE
V0DDTS1	Electronic timer, 17 functions, 0.1s - 999h, Eliro 1NC / 1NO	184.14.020
V0DDTD1	Electronic timer, 17 functions, 0.1s - 999h, Eliro 2NO	184.14.021

FUNCTIONAL DIAGRAMS OF V0DDTS1:



Electronic timer assymetrical ON - OFF socket type, MICON-480

- ▷ Mounting: socket type, 11 pin
- ▷ Supply voltage: 24 - 240V AC/DC (-20% +10%), 50/60 HZ
- ▷ Timing range: 0.1 sec - 10 hrs (ON και OFF)
- ▷ Reset time: 100 ms max.
- ▷ Output: 2NC/NO, 5A 240V AC
- ▷ Led indication: green (power ON), red (relay ON)
- ▷ Dimensions (W x H x D): 48 x 48 x 95 mm
- ▷ Standards: IEC 61000, CISPR 14-1



Electronic timer assymetrical on-off 40AFS0

TYPE	DESCRIPTION	CODE
40AFS0	Χρονικό ασύμμετρων χρόνων, 0.1s - 10h, ON - OFF	184.14.030

Supply monitor, din rail type, 3phase and 1phase with neutral, SM-500

- ▷ **Protections:** **overvoltage, undervoltage, phase loss, phase-phase unbalance and phase reversal**
- ▷ Power supply: 3phase, 4 wires L1, L2, L3+N (240VAC), 48-63HZ
1phase, L1 + N (240VAC)
- ▷ Time delays: reset time: 0 sec - 15 sec (adjustable)
response time: 5 sec (fixed)
- ▷ Output: 1NC / 1NO, 5A 250V AC
- ▷ Dimensions (W x H x D):... 36 x 60 x 90 mm
- ▷ Standards: IEC 61000, IEC 60255, IEC 60947



Supply monitor MD71BH (184.10.020)

TYPE	DESCRIPTION	CODE
MD71BH	Supply monitor 1phase / 3phase, with neutral protection	184.10.020

Supply monitor of voltage and phase, din rail, without neutral, SM-175

- ▷ **Protections:** **overvoltage, undervoltage, asymmetry levels 10%, phase loss, phase reverse**
- ▷ Supply voltage: 3phase, 3 wires (3 x 208 έως 3 x 480VAC), 45-65HZ
- ▷ Timing range: reset time: 0.5 sec - 100 sec (adjustable)
response time: 5 sec (fixed)
- ▷ Έξοδος: 1NC / 1NO, 5A 250V AC / 30V DC
- ▷ Dimensions (W x H x D): 18 x 59 x 90 mm
- ▷ Standards: IEC 61000, IEC 60255, IEC 60947



Supply monitor of voltage and phase MG21DH (184.10.010)

TYPE	DESCRIPTION	CODE
MG21DH	Supply monitor of voltage and phase, without neutral	184.10.010

PID Temperature controllers cold / heat, PR-69

- ▷ **Dual acting PID program and Communication RS485 Modbus**
- ▷ Two output thermostats for cold - heat.
- ▷ Thermocouples: J, K, E, R, S, B, PT100-3 wire, mv signals 0-50, 0-60, 12-60 mV
- ▷ Temperature range: J (0 ~ 700°C), K (0 ~ 1300°C), E (0 ~ 600°C),
R (0 ~ 1750°C), S (0 ~ 1750°C), B (250 ~ 1820°C),
PT100-3 wire (-200 ~ 700°C), accuracy 0.5%
- ▷ Power supply: 110 - 240V AC (-20% +10%), 50-60HZ
- ▷ Dimensions (W x H x D): 48 x 48 x 91.5 mm
- ▷ Weight: 185 gr
- ▷ Standards: IEC 61000, IEC 55011



Temperature controller 48 x 48 mm
151B13B1 (354.16.100)
151D13B1 (354.16.110)

TYPE	OUTPUT	CODE
151B13B1	1 relay NO/NC (5A, 240VAC / 28VDC), 1 analog output (0-10V, 4-20mA), 1 Solid State Relay driving output (12VDC, 24mA)	354.16.100
151D13B1	3 relays NO/NC (1 relay 8A and 2 relays 5A, 240VAC / 28VDC)	354.16.110

Digital time switches, weekly and daily, CRONO

- ▷ Five programs: AUTO (program run)
ON AUTO (instant ON up to next ON program)
AUTO OFF (instant OFF up to next OFF program)
ON (continuous ON)
OFF (continuous OFF)
- ▷ Επιλογές προγραμματισμού: Monday - Sunday, Monday - Saturday,
Monday - Friday, Saturday - Sunday,
Each day separately,
Vacation period
- ▷ Power supply: 110 - 240 VAC, 50/60 HZ
- ▷ Memory: 25 programs On / Off daily
- ▷ Display: 12 / 24hour
- ▷ Minimum switching time: 1 min
- ▷ Contacts NC/NO Resistive: 16A @ 240VAC / 28V DC
Inductive: 6A @250VAC
Incandescent: ... 1000W
- ▷ Dimensions (W x H x D): 36 x 65 x 90 mm
- ▷ Batteries: 6 years
- ▷ Standards: IEC 61000-4-2,4,5



Digital time switch
daily / weekly
67DDT0 (280.14.010)

TYPE	DESCRIPTION	CODE
67DDT0	Digital time switch, weekly and daily, CRONO	280.14.010

Plastic time switches with power reserve 150 hours, FM series



Daily time switch,
flush mounting with power reserve
J648F1 (280.12.030)



Daily time switch
base mounting with power reserve
J648B1 (280.12.025)

- ▷ Power supply: 240 VAC, 50/60 HZ
- ▷ Shortest switching time: 15 min (daily)
2 hours (weekly)
- ▷ Power reserve: 150 hours
- ▷ Contacts 1NC/NO Resistive: 16A @ 240VAC
Inductive: 8A @250VAC
Incandescent: 1350W
- ▷ Dimensions (W x H x D): Base mounting: 102 x 72 x 52 mm
Flush mounting: 72 x 72 x 50 mm
Hole dimensions (H x W): 66 x 66 mm

TYPE	DESCRIPTION	CODE
J648B1	Plastic daily time switch, base mounting with power reserve	280.12.025
J648F1	Plastic daily time switch, flush mounting with power reserve	280.12.030
J848B1	Plastic weekly time switch, base mounting with power reserv	280.12.040



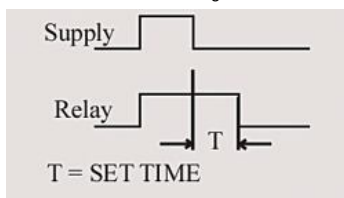
Weekly time switch,
base mounting with power reserve
J848B1 (280.12.040)

Timer True off - delay, MICON-225

Timer True off - delay (power OFF delay) up to 600 seconds with 2 C/O

- ▷ Power supply: 24 - 240 VAC/DC, 50/60 HZ
- ▷ Timing range: 0.6 - 600 sec
- ▷ Contacts: 2 NC / NO, 5A @ 240 VAC / 28 VDC Ωμικό
- ▷ LED display: green (Power On)
- ▷ Energizing time: 1 sec ελάχιστο
- ▷ Dimensions (W x H x D): 22.5 x 75 x 100.5 mm
- ▷ Standards: IEC 61000-4-2,4,5,11,29

Functional diagram:



Timer True off - delay
23GDT0 (184.14.040)

TYPE	DESCRIPTION	CODE
23GDT0	Timer True off - delay	184.14.040

Timer multi, 7 functions, MICON-225

- ▷ Functions: Signal on delay, Signal off delay, Leading edge impulse 1, Interval, Accumulative on delay, Signal off/on delay, On delay
- ▷ Power supply: 24 - 240 VAC/DC, 50/60 HZ
- ▷ Timing ranges: 0.1 sec - 10h
- ▷ Reset time: max. 200 ms
- ▷ Output: 1 NC / NO, 5A @ 240 VAC / 28 VDC
- ▷ LED indication green (Power On), red (Relay On)
- ▷ Dimensions (W x H x D): 22.5 x 75 x 100.5 mm
- ▷ Standards: IEC 61000-4-2,4,5,11,29



Timer multi, 7 functions
2ANDT0 (184.14.050)

TYPE	DESCRIPTION	CODE
2ANDT0	Timer multi, 7 functions	184.14.050

Hour meters, Quartz, HM-36

- ▷ **Heavy duty hour meters, robust design, totally sealed from dust and moisture.**
- ▷ Display: 7 digits (999999.9)
- ▷ Least count: 1/10h
- ▷ Accuracy: 0.02%
- ▷ Temperature: -40°C έως +85°C
- ▷ Dimensions (W x H x D): 45 x 45 mm



Hourmeters HM-36
LA25F1 (350.10.020)
LD17F1 (350.10.030)

TYPE	DESCRIPTION	CODE
LA25F1	Hour meter 90 - 264 VAC, 50/60HZ	350.10.020
LD17F1	Hour meter 10 - 80 VDC	350.10.030