

## Technical Specifications

Network input	220VAC +/- 20% 50Hz +/- 4%
Lamp voltage	220VAC standard (42VAC opsiyon)
Max mains power	20A max toplam lamba akımı
Power per output	2A max 5W minimum
Standard documents	HD638, EN12675, EN60529
Operating temperature zone	-25 °C... +60°C (+/- 5 °C)
Power consumption	Control part 30W max
Network instant failure	Uninterrupted operation at short cuts of less than 50 ms
Network failure	Automatic restart without operator
Control architecture	Full electronic design, 32 bit main processor and independent 32 bit security control processor, 256MB RAM, 2GB flash memory
Lamp switching elements	12 output modules that use semiconductor switches (96 output max) Current and voltage measurement at all outputs, continuous security control
Lamp types	Incandescent, halogen or LED lamps
Flash period	All outputs can be independently selected as 1 or 2 Hz
Pedestrian push button inputs	Up to 32 galvanic insulated pedestrian pushbutton inputs
Detector inputs	Ability to connect 32 magnetic loop detectors, Continuous monitoring of error conditions
Communication facilities	2 RS232, USB and Ethernet (10/100 Mbit), GPS, GPRS
User Interface	Built-in: graphic colored 3.2" TFT touchscreen display, External: Configtool program running on Windows PC
Program and parameter input	Programs prepared on PC via XML via local USB or RS232 interface and via modem via MAESTRO TKM Server
Timing resources	Network 50Hz, RTC, GPS, NTP
Traffic-related features	Up to 32 signal groups, Possibility to run 3 independent intersection programs
Working modes	Center controlled operation, Manual, fixed time or traffic warning operation, adaptation to annual schedule, green wave working
Opening and closing sequences	Ability to create different sequences related to opening and closing To be able to add these sequences independently to signal plans
Security monitoring conditions	Independent security monitoring structure as specified in EN 12675 standard, protection against errors and / or conflicts by measuring the current and voltage of all lamp outputs
OS	micro C /OS-II
Heater	30W PTC (option)
Dimming	Optional
Dimensions	949,50 X 900 X 392 mm
Weight	95 kg