

Eclipse 16

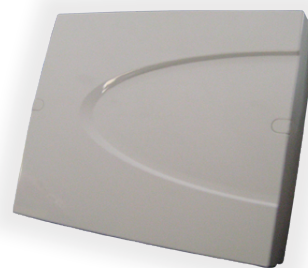
Alarm Control Panel

Description

Eclipse 16 is an alarm panel with 16 physical zone inputs and 3 independent areas (partitions) for security of small residential, commercial or office premises. All 16 zones can be used on board connectors or with zone expander. Full programming is done via keyboard or directly with ProSTE software. The installer can choose between 3 alternative types of programming - by addresses, by operations or tree structure menus. The panel has a built in digital communicator and is compatible with wide range of detectors, communication modules and control devices.

Technical Specifications

Mains Supply Voltage 230VAC $\pm$ 10%; fuse 0,63A
Mains Transformer 17 VAC / 17 VA
Back-up Battery 12V / 7 Ah
Battery Charger 13.8 V / 0,75A Resettable fuse
Current consumption 2A (from external devices)
Power output 13.8 V DC / 0,75A Resettable fuse
Operating Temperature -10°C / +50°C
Dimensions, plastic box 290 x 240 x 80 mm



Functional Specifications

Zones 16
Balancing of zones 1 or 2 balancing resistors; doubling zone connection
Connection styles 5 types
Areas 3
Outputs 4 low current (up to 100mA) + 1 powerful (up to 1A)
Access Codes 4 digit; 32 users (including 1 manager), 1 engineer
Memory LOG 1024 events with date and time
Digital Communicator Built in; 2 telephone numbers; CIA and Contact ID
Programming 3 types - by addresses, by operations, tree structure
Access Control via proximity readers
Devices on bus up to 5

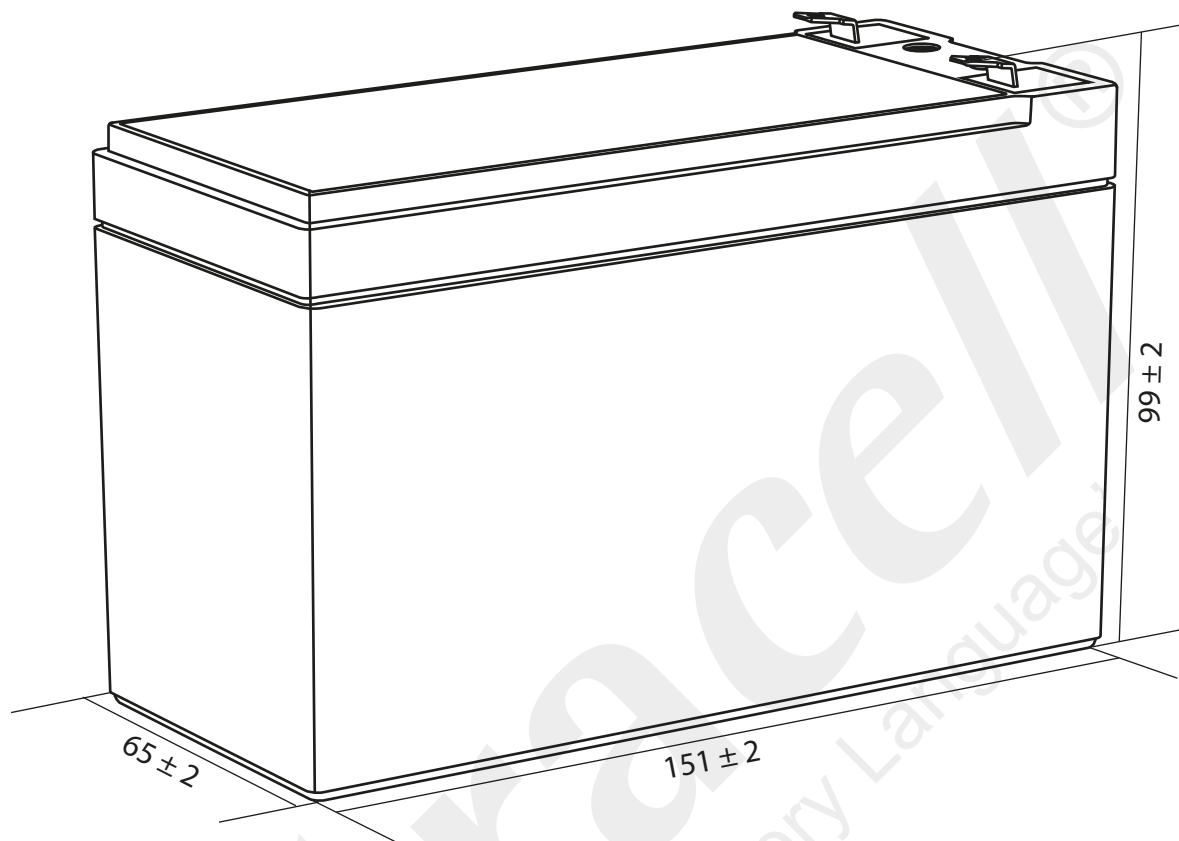
Packing Information

• **Master box** - 5 units Eclipse 16, dimensions 542 x 334 x 286 mm

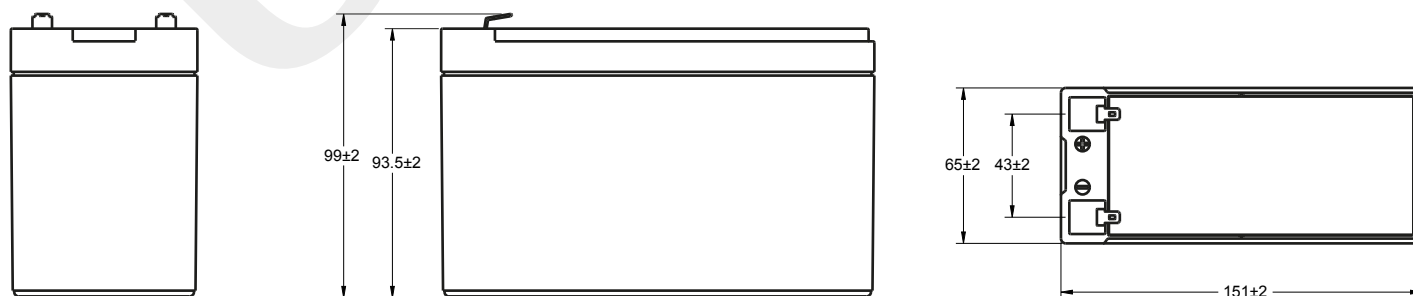
Compatible Product Range

- **LED 8** - keypad
- **LED 16A** - keypad
- **LED 32** - keypad
- **LCD 32** - keypad
- **LCD 32S** - keypad
- **Zone 8** - zone expander
- **TITAN series** - PIR detectors
- **SR 105; SR110** - indoor sirens
- **SR 200; SR300** - outdoor sirens
- **SensoMAG INTR** - fire detectors with relay base 12V
- **GBD10, GBD20** - glass break detectors
- **AUMS-12S** - magnetic contacts
- **ARGUS** - Universal GSM communication module
- **AJAX GSM/GPRS** - Universal GSM/GPRS communication module
- **AJAX SP** - WEB application for monitoring and control
- **ProSTE** - Specialized programming software
- **MDU 2; MDU V** - remote control modules

Contact Information



Technical Dimensions (mm)

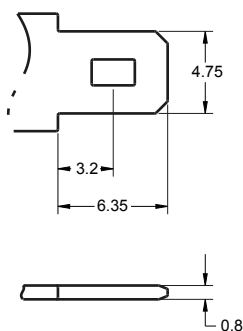


Image

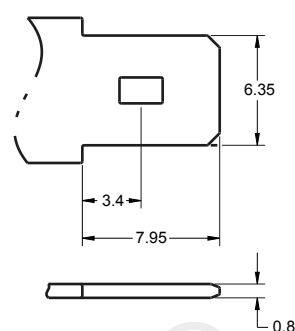


Terminal Dimensions (mm)

Standard Terminal: F1



Optional Terminal: F2



Technical Specification

Output	Nominal Voltage	12V
	Nominal Capacity (20HR)	7Ah
Terminal Type	Standard Terminal	F1
	Optional Terminal	F2
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	(20HR 1.80V/cell, 25°C)	7 Ah/0.350A
	(10HR 1.80V/cell, 25°C)	6.53 Ah/0.653A
	(5HR 1.75V/cell, 25°C)	5.80 Ah/1.16A
	(3HR 1.75V/cell, 25°C)	5.13 Ah/1.71A
	(1HR 1.60V/cell, 25°C)	4.26 Ah/4.26A
Max Discharge Current	105A (5s)	
Internal Resistance	Approx 23mΩ	
Discharge Characteristics	Operating Temp Range	Discharge: -15 ~ 50°C
		Charge: 0 ~ 40°C
		Storage: -15 ~ 40°C
	Nominal Operating Temp Range	25 ± 3°C
	Cycle Use	Initial Charging Current less than 2.1A. Voltage 14.4V ~ 15.0V @ 25°C Temp. Coefficient -30mV/°C
	Standby Use	No limit on initial charging current. Voltage 13.5V ~ 13.8V @ 25°C Temp. Coefficient -20mV/°C
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
Design Floating Life at 20°C	5 Years	

Self Discharge

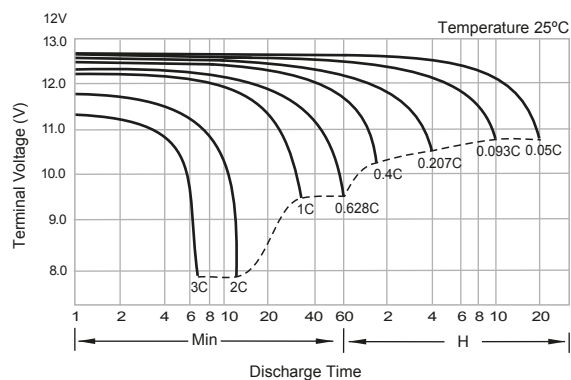
Ultracell® UL batteries may be stored for up to 6 months at 25°C and then a refresh charge is required. For higher temperatures the time intervals will be shorter.

Constant Current Discharge / Constant Power Discharge At 25°C (Amperes & Watts/Cell)

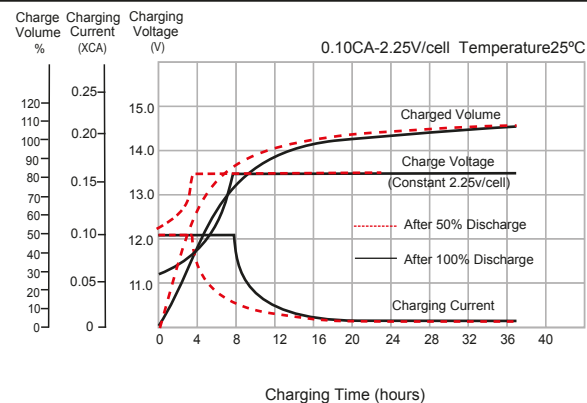
A = Amperes W = Watts

F.V/TIME	5 min	10 min	15 min	20 min	30 min	45 min	60 min	2 hours	3 hours	4 hours	5 hours	6 hours	8 hours	10 hours	20 hours
A	W														
1.85V/cell	16.0	11.7	9.97	8.46	6.17	4.52	3.60	2.14	1.60	1.30	1.10	0.95	0.756	0.626	0.343
	30.3	22.3	19.2	16.4	12.0	8.86	7.09	4.23	3.17	2.59	2.20	1.91	1.52	1.26	0.694
1.80V/cell	19.2	13.7	11.3	9.20	6.65	4.80	3.83	2.24	1.66	1.35	1.14	0.99	0.783	0.653	0.350
	35.9	25.8	21.5	17.7	12.9	9.37	7.52	4.42	3.30	2.69	2.27	1.97	1.57	1.31	0.704
1.75V/cell	21.5	14.9	12.0	9.70	6.92	4.99	3.98	2.31	1.71	1.38	1.16	1.01	0.795	0.663	0.357
	39.8	28.0	22.8	18.6	13.4	9.72	7.79	4.55	3.37	2.74	2.31	2.00	1.59	1.33	0.716
1.70V/cell	23.4	15.9	12.8	10.2	7.18	5.12	4.05	2.36	1.75	1.41	1.19	1.03	0.812	0.672	0.361
	42.8	29.5	24.0	19.3	13.8	9.89	7.88	4.61	3.42	2.78	2.34	2.03	1.61	1.33	0.718
1.65V/cell	25.5	16.8	13.4	10.6	7.43	5.28	4.17	2.40	1.77	1.43	1.21	1.04	0.823	0.680	0.365
	45.7	30.7	24.8	19.8	14.1	10.1	8.02	4.65	3.45	2.80	2.36	2.05	1.62	1.34	0.720
1.60V/cell	26.8	17.6	13.8	10.9	7.64	5.42	4.26	2.46	1.81	1.46	1.23	1.06	0.837	0.690	0.371
	47.0	31.5	25.1	20.1	14.3	10.3	8.13	4.73	3.50	2.83	2.39	2.07	1.63	1.35	0.728

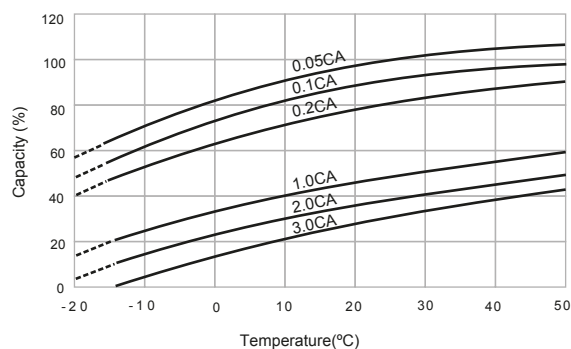
Discharge Characteristics



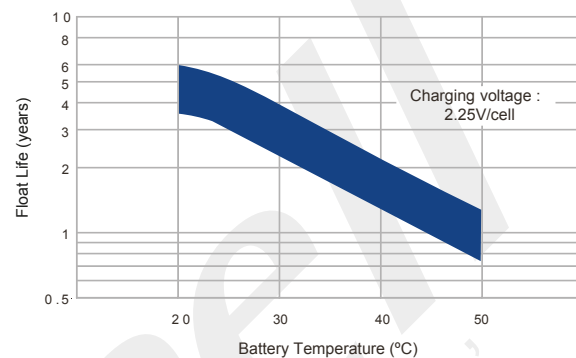
Float Charging Characteristics



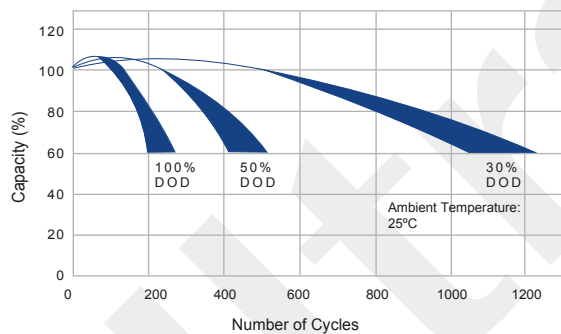
Temperature Effects in Relation to Battery Capacity



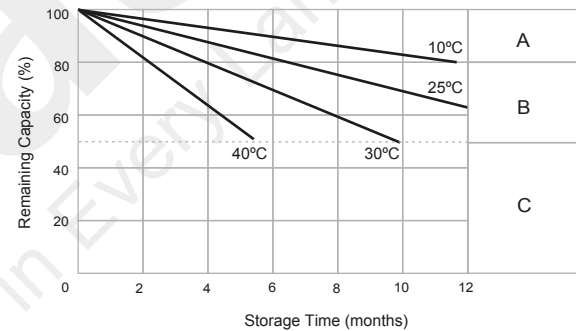
Effects of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity vs. Storage Time



General Relation of Capacity vs. Storage Time (Notes)

- A) No supplementary charge required.
(Carryout supplementary charge before use if 100% capacity is required.)
- B) Supplementary charge required before use. Optional charging way as below:
 1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.25V/cell.
 3. Charged for 8 ~ 10 hours at limited current 0.05 CA.
- C) Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

Eclipse LCD 32 Sensitive

LCD Keypad

Description

LCD 32S is a LCD keypad with sensitive buttons and text display for detailed information of zones, system troubles, alarm messages and arming type. It is a part of the ECLIPSE series alarm systems. The keyboard provides 1 input zone and 1 PGM output. LCD 32S is suitable for programming and management of systems up to 8 independent areas and up to 32 zones.

Technical Specifications

Power Supply from the control panel . . .	9-18V (nom. 14V)
Consumption	Min. 50mA / Max.100mA
Area Indication	8
Zone Indication	32
Panic buttons	Yes
Proxi Reader	Yes
Voice Guide.	Yes (option)
Buttons	Sensitive
Operation temperature	-20 ÷ +50°C
Tamper	Yes
Dimensions	110x144x22mm



Functional Specifications

- Shortcut buttons to additional menus – Memory, Troubles display and Bypassed zones;
- Quick buttons for all arming modes;
- 3 fast button combinations for sending of PANIC, MEDICAL and FIRE alarm messages to a central monitoring station;
- Text display for 2x16 symbols organized into two rows;
- Real time clock;
- The system parameters can be fully programmed;
- Supports 3 programming types: 4-digit addresses, 3-digit operations and text menus;
- Confidential mode;
- Adjustable intensity of backlight for the display and buttons;
- Adjustable buzzer volume;
- Adjustable text scroll up;
- Enabling/ Disabling the backlight of the buttons;
- Bi-directional TAMPER switch.

Packing Information

- **Master box** - 50 units LCD 32S, dimensions 496 x 305 x 206 mm

Compatible Product Range

- **Eclipse 8** - Alarm Control Panel
- **Eclipse 32** - Alarm Control Panel

Contact Information



TITAN QD40

Digital PIR Detector with QUAD element

GRADE2 EN50131

Description

TITAN QD40 is a digital PIR detector with QUAD element suitable for application in residential buildings, pet shops, veterinary rooms, where larger pets reside. TITAN QD40 uses a digital process algorithm and possesses pet immunity for animals up to 40 kg. The detector is also equipped with digital bi-directional temperature compensation.

TITAN Series detectors have 5 year warranty.

As an option the detector can come with bracket for wall or ceiling mounting.



Technical and Environmental Specifications

Operating Range from 1.5 to 15m
Coverage Area 90°
Detection Zones 54
Standard Mounting Height 1.5m - 3.6m (recommended 2.1m)
White Light Immunity 6500 lux
Electrostatic Immunity 8 kV
RF Immunity 10V/m@80MHz-2GHz
Pet Immunity animals 25/ 40 kg (selectable)
Walk Detection Speed 0,2m/s - 3,5m/s
Operating Temperature from -20 up to 50°C
Power Supply +9 V DC to +18 V DC
Current Consumption <14 mA
Weight ~ 74g
Dimensions 62 x 97 x 50mm

Packing Information

• **Master box** - 66 units TITAN QD40, dimensions 500 x 367 x 230 mm

Compatible Product Range

• **Bracket for wall mounting**
• **CA 62** - alarm control panel
• **VEGA6/ VEGA6 RF** - alarm control panels
• **Eclipse series** - alarm control panels

Contact Information

Bracket



Bracket

Bracket for TITAN series motion detectors.

Functional features

- Suitable for wall or ceiling mounting

SR50

- Powerful Sound
- Designed for indoor use only
- Compact size



DESCRIPTION:

SR50 is an alarm siren with flash and has one input for connection to an intruder alarm panel. SR50 is designed for indoor use only. The siren has a compact size and it is suitable for installation on plain surfaces. The mounting is easy without need of disassembling any parts of the sirens’s body. The fixing is done with a single screw.

FEATURES

- No programming
- Easy installation
- Single Tone
- Powerful sound
- Plenty room for cabling
- Simple and compact design

TECHNICAL SPECIFICATIONS

- Operating Voltage Range.....9-14VDC
- Maximal consumption.....90mA @ 12VDC
- Maximal sound volume.....102dB @ 1m
- Frequency range.....2.7-4kHz
- Frequency of the strobe flashing.....2Hz/0.6W
- Type of tone.....Monotone
- Color LEDs.....Blue
- Material/Color.....ABS/white
- Dimensions.....94x45x69mm

COMPATIBLE PRODUCT RANGE

ECLIPSE 8/8+/16/32/99 - Control panels
ECLIPSE Series

Last update: 03.2021



SR 300B

Intruder Alarm Siren

Description

SR 300B is an outdoor piezo siren. The siren has blue flash indication and selectable loudness levels. SR 300B is equipped with inner metal casing and bidirectional tamper for higher protection.

The siren comes with built in NiMH battery (9V, 200mA).

SR 300 has a flat plastic cover, which is especially suitable for company sticker or logo.

Technical Specifications

Loudness	85 dB/1m (low level); 105 dB/1m (high level)
Power supply	9 – 15 Vdc
Current consumption	30 mA/ 1.1 A
Battery	9V, 200mA, built in
Frequency	2.8 - 3,1 KHz
Loudspeaker type	piezo
Protection	IP54/IK04
Operating temperature	-30°C / +70°C
Housing	ABS plastic box with inner metal cover
Dimensions	310 x 230 x 60 mm
Weight	1,14kg



Functional Specifications

Inputs	1 ALARM and 1 FIRE
Programmable connection type	2 or 3 wire connection
Inner cover	metal
Tamper switch	built – in and bi-directional
LED indication	status, blue flash

Packing Information

- **Master box** - 5 units SR 300B, dimensions 360 x 345 x 252 mm

Compatible Product Range

- **CA 62** - Intruder Alarm Panel
- **VEGA6/ VEGA6 RF** - Intruder Alarm Panels
- **ECLIPSE Series** - Intruder Alarm Panels

Contact Information



TTE LAN

Universal LAN Communication Module

Description

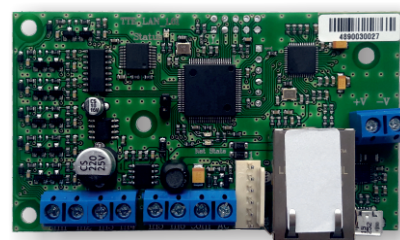
TTE LAN is an universal communication module. It is used for connection to intruder or fire alarm panels or as a stand-alone device. The device is connected to Eclipse series intruder control panels via serial communication or with third party panels via its 6 inputs. TTE LAN is used to send alarm messages to monitoring center or end-user. The module is mounted in small plastic box suitable for wall mounting.

TTE LAN can also be used for remote management, programming and monitoring of the security system together with Eclipse panel and the AJAX SP PRO software application.

The module is suitable for realizing of home automation applications.

Technical Specifications

- Power supply 9-30 V DC
- Current Consumption 300 mA
- Programmable inputs/outputs 6, 100 mA, OC type
- Input filtration time 0.5 sec
- Input for AC monitoring 9-35 V AC
- Encryption AES 128 bits
- Ethernet port 10/100Mbps



Functional Specifications

- Indication for the network status and trouble with the connection to the control panel;
- Internet remote programming and control through AJAX SP PRO/MobileTTE (iOS/Android) application;
- Micro USB port for configuration with ProSTE software;
- Serial communication with ECLIPSE series control panels;
- 6 programmable inputs/outputs, OC type (up to 100mA each);
- Main and Backup IP for connection with AJAX SP PRO;
- Automatic (DHCP) or manual settings for network connection;
- Suitable for home automation;
- Control panel communication supervision.

Packing Information

- **Single packing box** - 1 unit TTE LAN (PCB), dimensions 93 x 72 x 23 mm
- **Master box** - 150 units TTE LAN, dimensions 500 x 367 x 230 mm

Compatible Product Range

- **Eclipse series** - Alarm control panels 8/ 16/ 32/ 99 zones
- **SB-U** - small universal box
- **Third party intruder alarm systems**

Contact Information