

## INSTALLATION ADVICE

### CISA ELECTRIC LOCKS 11721, 11731, 11921, 11931

#### PLEASE NOTE – CHANGE IN SPECIFICATION.

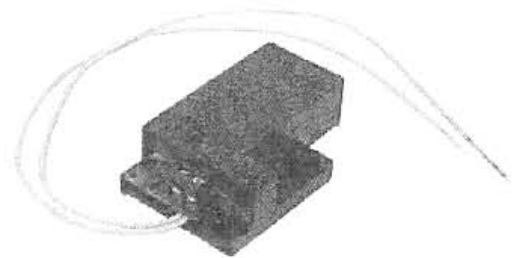
- The coil of this lock is set on maximum power rating.  
(See installation instructions in box for adjusting power rating Fig 4).
- This coil is adjustable for lower voltage.
- The voltage required to open the lock is 6 volts AC at 2.8amp, using 30 meter cabling, thickness:1mm<sup>2</sup>. Suitable transformer 12Vac 1.5amp. (Ref; TF12PH).
- For thinner wiring or extra distance use transformer 12Vac 3 amp.  
(Ref;TF12P3H)
- If the power supply is NOT sufficient to open the lock, it is recommended to install a CISA Power Booster Code 07022-00, as close to the lock as possible.
- Gap between lock and strike not to exceed 5mm

#### PLEASE NOTE – LIGHT DOOR APPLICATION

- Setting for Light Doors (See installation instructions Fig1) should only be performed on doors that are NOT vulnerable to attack from outside.

#### CISA BOOSTER- Code 07022-00

1. Boosts low power
2. Reduces power for low current absorption loads.
  - Suitable for input voltage (20°C)
    - 12Vac; 12Vdc; 24Vac; 24Vdc
  - Typical holding current
    - (20°C, 12Vac/Vdc) 150ma



#### DOOR CLOSER RECOMMENDED.

CISA Code 60450-03

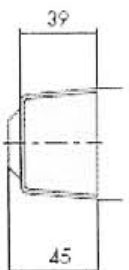
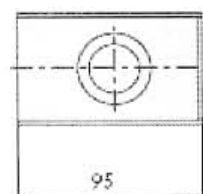
- Suitable for door weight 40-60 kg



#### ACCESSORY - CYLINDER PROTECTOR WELD ON BOX.

CISA Code 07056

- Provides extra security for lock a cylinder.



# INSTALLATION SPECIFICATIONS FOR ELECTRIC LOCKS.

## POWER SUPPLY



- Transformer 230V to 12 Vac - 1.5 amp
- Transformer 230V to 12 Vac - 3.0 amp

### Transformer Recommendation

Distance from lock to transformer.	Cable section in square mm	Transformer
0 to 30 metre.....	1.0 mm <sup>2</sup> .....	TF12P
30 metre +.....	1.0 mm <sup>2</sup> +.....	TF12P3
0 to 30 metre.....	less than 1.0 mm <sup>2</sup> .....	TF12P3

### Cabling Recommendation

Distance from lock to transformer.	Cable section in square mm
0 to 50 metre.....	1.0 mm <sup>2</sup>
50 to 100 metre.....	1.6 mm <sup>2</sup>
100 to 150 meter.....	2.5 mm <sup>2</sup>
Over 150 meter.....	4.0 mm <sup>2</sup>

\*\*\* Correct cabling will ensure no power drop over long distances. \*\*\*

### Direct Current "dc" transformers

If a 12Vdc or 24Vdc transformer is used it is imperative to install a CISA Booster after transformer, as close to the lock as possible,

### Recommended pulsing time

The pulse duration to trigger a CISA electric lock is 0.1 seconds.  
Automatic timer must be set at 0.5 seconds

### Recommended fitting

**CISA electric locks are mechanical locks electrically operated.**  
The tension loading latch when compressed provides the latent force to spring the locking latch.  
✓ The small tension loading latch must always be compressed into the lock when the door is closed

### Recommended gap

**The gap between the face plate and the strike plate is critical.**  
Please note the following:

- Rim locks 11721/31, 11921/31, 11610/30
    - ✓ Gap distance NOT to exceed 5mm
    - ELETTRIKA - 1A731
    - ✓ Gap distance 5 mm, but can be adjusted between 2 - 12mm
  - Mortice lock 12016 for wooden doors
    - ✓ Gap distance 3 - 4 mm
  - Mid rail locks 14511, 14351, 14461
    - ✓ Gap distance 3 - 4 mm
  - Locks for pedestrian gate 14021.
    - ✓ Gap distance 3 - 4 mm
  - Locks for aluminium door locks 16205, 16215, 16225.
    - ✓ Minimum gap distance 2mm.
- The tension loading latch must always be 1mm longer than locking latch.

Volt	Code	Amp	Price
12Vac	TF12PH	1.5	x
12Vac	TF12P3H	3.0	x
12Vac	TF12PH	1.5	
12Vac	TF12P3H	3.0	
12Vac	TF12P3H	3.0	
	07022	00	x

ELETTRIKA