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:1mm². 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

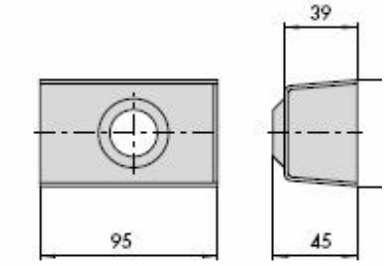
1. **Boosts low power**
2. **Reduces power for low current absorption loads.**
   - **Suitable for input voltage (20ºC)**
     - **12Vac; 12Vdc; 24Vac; 24Vdc**
   - **Typical holding current**
     - **(20ºC, 12Vac/Vdc) 150ma**

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.**



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INSTALLATION SPECIFICATIONS FOR ELECTRIC LOCKS.

POWER SUPPLY

	Volt	Code	Amp	Price
☞ Transformer 230V to 12 Vac - 1.5 amp	12Vac	**TF12PH**	1.5	x
☞ Transformer 230V to 12 Vac - 3.0 amp	12Vac	**TF12P3H**	3.0	x

Transformer Recommendation

Distance from lock to transformer.	*Cable section in square mm*	*Transformer*	Volt	Code	Amp
✓ **0 to 30 metre**	**1.0 mm²**	**TF12P**	12Vac	TF12PH	1.5
✓ **30 metre +**	**1.0 mm² +**	**TF12P3**	12Vac	TF12P3H	3.0
0 to 30 metre	**less than 1.0 mm²**	**TF12P3**	12Vac	TF12P3H	3.0

Cabling Recommendation

Distance from lock to transformer.	*Cable section in square mm*
0 to 50 metre	**1.0 mm²**
50 to 100 metre	**1.6 mm²**
100 to 150 meter	**2.5 mm²**
Over 150 meter	**4.0 mm²**

*** 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,

Code	Amp	Price
07022	00	x

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.

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