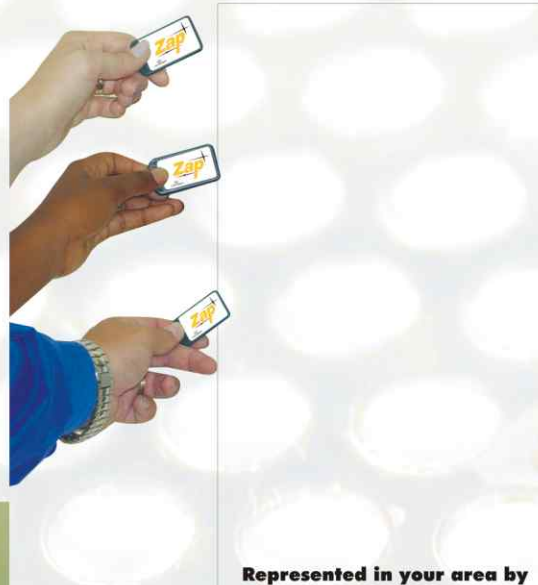


specifications

Input voltage	10 - 12VAC or 11 - 15VDC
Current draw:	
-Standby	110 mA
-Operating	150 mA
Tag Frequency	13.56 Megahertz
Read range	80-100mm
Reader dimensions (mm)	
-Surface mount	129H x 90W x 30D
-Flush mount	124H x 86W x 15D
Weight	0.1Kg
Temperature range	-20 to +50 deg C
Humidity	0-90% Non condensing

features & functions

Number Of Tags(including MASTERS)	51
Number of Master Tags	2
Voltage Free Relay Output	Yes
Relay Time Configurable(Off/1-254s/Latch)	Yes
Door Open Timer (0-254s/Continuous)	Yes
Door Open Pre-Warn Timer (0-254s/Continuous)	Yes
Door Open Alarm (Off/1-254s/Continuous)	Yes
Door Forced Alarm (Off/1-254s/Continuous)	Yes
User Interface	5 LED'S
Door Sense Input	Yes
Free Exit Input	Yes
On-Board Buzzer	Yes
Output For Optional External Alarm	Yes
Smart Switch II Compatible	Yes
Anti-Tamper Switch Facility	Yes
Networkable	No
Anti-Pass Back	No
Firmware Upgrade Facility	Yes



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SOLO STAND ALONE ACCESS CONTROL

- **SECURE**
- **SIMPLE**
- **COST EFFECTIVE**



Solo

Proximity Access Control



The Solo range of proximity tag readers is designed for simple stand-alone access control applications where security, cost and simplicity is important.

The units use the latest 13.56 megahertz RFID tag technology which is fast becoming a world standard. This technology offers tags which are cost effective, have good read range and reliability.

The Zap Tags developed for the Solo range fit neatly onto a keyring and can be fitted with an identification label.

The Solo prox reader can be either flush or surface mounted. The flush mounted options fit neatly into a 100 x 50mm light switch box. (4" x 2")

A rugged stainless steel anti-knock shield is available for outdoor sites where vandalism is likely to be encountered, or where the unit needs to be mounted on a gooseneck.

Its single channel output can be configured as a potential free contact either pulsed or latching, to operate any number of devices from a door lock, gate or traffic barrier operator to an alarm system. For increased security the output channel can be configured to

operate with a CENTURION SMARTSWITCH II. This is mounted directly at the door lock or gate motor etc. to prevent tampering of the wiring between it and the reader.

A separate tamper notification switch can be fitted that will activate a "third party" alarm if the Solo reader is forced open.

A free exit input is provided to enable a pushbutton to be used on the inside of the access point for exiting.

There is an input for a door sense contact that is available to monitor both the closure of the door, gate or traffic barrier etc. and any forced opening.

The Solo reader offers an alarm output that can be connected to a third party alarm. This combined with the onboard buzzer provides the following alarm functions for different fault conditions:

- After an adjustable door left open time if the access point is not closed, a gentle beep from the buzzer will be emitted for an adjustable pre-warn time reminding users to close the door or gate etc.
- After this pre-warn time if the access point is not closed the buzzer will emit a loud warble and the alarm output is activated.
- If the access point is forced open the buzzer sounds a continuous strident alarm tone and the alarm output is activated.

The activation of the alarm output in the event of a door left open or door forced open condition can be de-activated for either or both conditions.

Programming of tags is exceptionally simple using one of two "Master" tags. The reader unit does not have to be opened to enable programming.

QUIK-LEARN: Quick learn feature enables tags to be inputted into a new unit in seconds.

ID LEARN: Tags can be learned into specific ID locations (groups) for simplified maintenance and later traceability.

DELETE: Tags can be deleted in the following ways:

- Delete by physically presenting a tag to the reader while in the delete tag

- menu.
- Delete an ID location (i.e. Without physically having the tag available).
- Delete all tags in the system.

Using the Configuration menu the following features can be set:

- Turn buzzer On or Off (on tag presentation).
- Activate or de-activate output alarm, door left open condition.
- Activate or de-activate output alarm, door forced open condition.
- Set status of free exit contact to operational or de-activated for added security.
- Door release relay time (time adjust from 0-254 seconds or latched).
- Door left open pre-warn time (time adjust from 0-254 seconds or continuous).
- Door left open time adjustment (time adjust from 0-254 seconds or continuous).
- Door left open alarm output activation time (time adjust from 0-254 seconds or continuous).
- Door forced open alarm output activation time (time adjust from 0-254 seconds or continuous).

Voltage sensing is provided to shut the reader down in the event of the input voltage being too high, or too low. The unit will display the fault condition by means of a flashing LED.

A firmware upgrade facility is provided to enable users to take advantage of the latest modifications and enhancements to the on-board firmware which may become available from time to time.

