

ETS Inc. DS1 Instructions

The DS1 is a re-settable door contact shunt timer for use in access control and alarm systems. The DS1's purpose is to minimize the time period where an egress door involved in an access control or alarm system is "vulnerable" to undetected forced opens.

The DS1 is designed to operate in the following way:

When an egress signal RTE (request to exit) from a panic bar, PIR or palm button is initiated, the door contact is shunted for a user adjusted time period of anywhere from 1 to 20 seconds or minutes, IF the door is opened. When the door closes, the timer is reset and the door contact is immediately rearmed.

Additionally, if the door is left open after a "request to exit signal", the DS1 will report an alarm on the door after the prop timer has timed out.

Notes-

1. Exit request, contact in and contact output are all NC (normally closed) unsupervised loops.
2. Once an RTE signal is accepted by the DS1, the user has 5 seconds to open the door. After 5 seconds, the RTE signal is canceled and the contact output is rearmed. This insures a false triggered RTE signal (unintentional RTE motion detector trip for example) does not leave the door unsecure for too long.
3. The prop timer is a retrigger-able type. For example, during a valid prop time cycle of 10 seconds, If RTE is activated again, you get an additional 10 seconds of prop time. RTE must stay inactive for the prop timer to expire and report an alarm.
4. When the DS-1 reports an alarm, it holds the contact out in alarm for 2 seconds, then normal operation resumes. During this 2 second interval, no input changes on RTE or contact in are recognized.

Prop Time Adjustment

This controls the amount of time the timer shunts the door contact. The left jumper is changed to select the range of shunt time.

Jumpers

Left jumper:

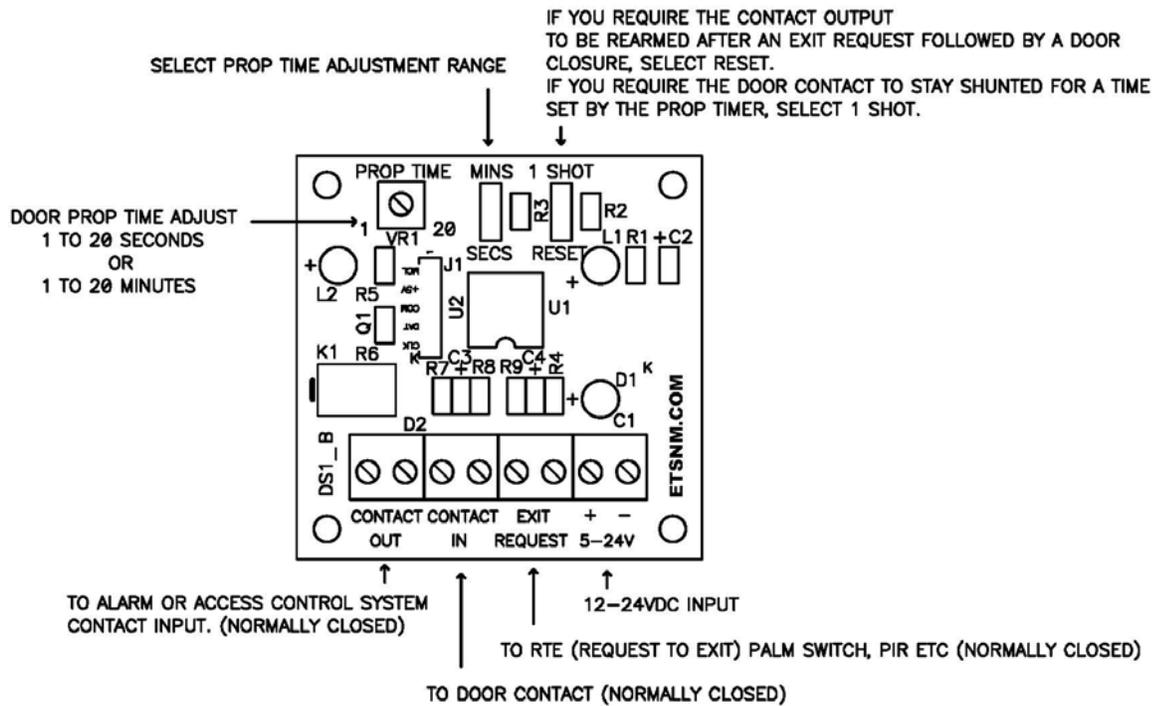
Secs Position. Prop time adjustment range is 1 to 20 seconds.

Mins Position. Prop time adjustment range is 1 to 20 minutes.

Right jumper:

Reset position. The DS1 is re-armed by a door closure or a restored RTE signal (shunt time is reset).

1 Shot position. Standard timer mode. The DS1 cannot be reset after if it receives an RTE signal. The contact is rearmed after the prop timer expires.



Warranty

All ETS products carry a one year parts and labor warranty. This warranty does not cover damages as a result of misuse, improper handling of the unit or exposure to extreme temperatures or moisture. At its discretion, ETS reserves the right to repair or replace this unit under the conditions of the warranty. If you experience problems with your equipment call ETS at: 505-888-3923 to obtain a return authorization number. Equipment requiring repair beyond the warranty period or units that have been damaged or are not covered under the warranty can be repaired by ETS for a minimal cost under most conditions.

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by
ETS Inc.