

# ETS Inc. DS1 Instructions

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The DS1 is a re-settable door contact shunt timer typically for used in access control and alarm systems. The DS1 was designed for higher level of security requirements. The DS1's purpose is to eliminate the time period where an access control door is normally "vulnerable" to undetected forced opens.

The DS1 is typically setup 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 minute to 20 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 an egress, the DS1 will report an alarm on the door after the timer has timed out.

## Jumpers

W1 Short position. Use with short duration (momentary) RTE signals. In other words, if the RTE signal opens and always goes back to normally closed before the door is opened. Examples: a momentary palm button, switch, or a PIR with a very short alarm cycle. In this position, if an RTE signal is momentarily initiated and the door is not opened, the DS1 will re-arm in 5 seconds.

W1 Long position. Use with maintained RTE signals. In other words, if the RTE signal opens and stays open until the door is opened. Examples: a PIR with a long alarm cycle, a panic bar, or an access control door unlock signal that is long.

W2 Reset position. The DS1 is re-armed by a door closure or a restored (closes) RTE signal.

W2 1 shot. The DS1 cannot be reset after if it receives an RTE signal. W1 does not have any function when W2 is set in the 1 shot position.

FOR MOMENTARY RTE SIGNALS, SELECT SHORT  
FOR MAINTAINED RTE SIGNALS, SELECT LONG

IF YOU REQUIRE THE DOOR CONTACT ALARM OUTPUT  
TO BE IMMEDIATELY REARMED AFTER AN RTE FOLLOWED BY A DOOR  
CLOSURE, SELECT RESET.  
IF YOU REQUIRE THE DOOR CONTACT TO STAY SHUNTED FOR A TIME  
SET BY THE TIMER, SELECT 1 SHOT.

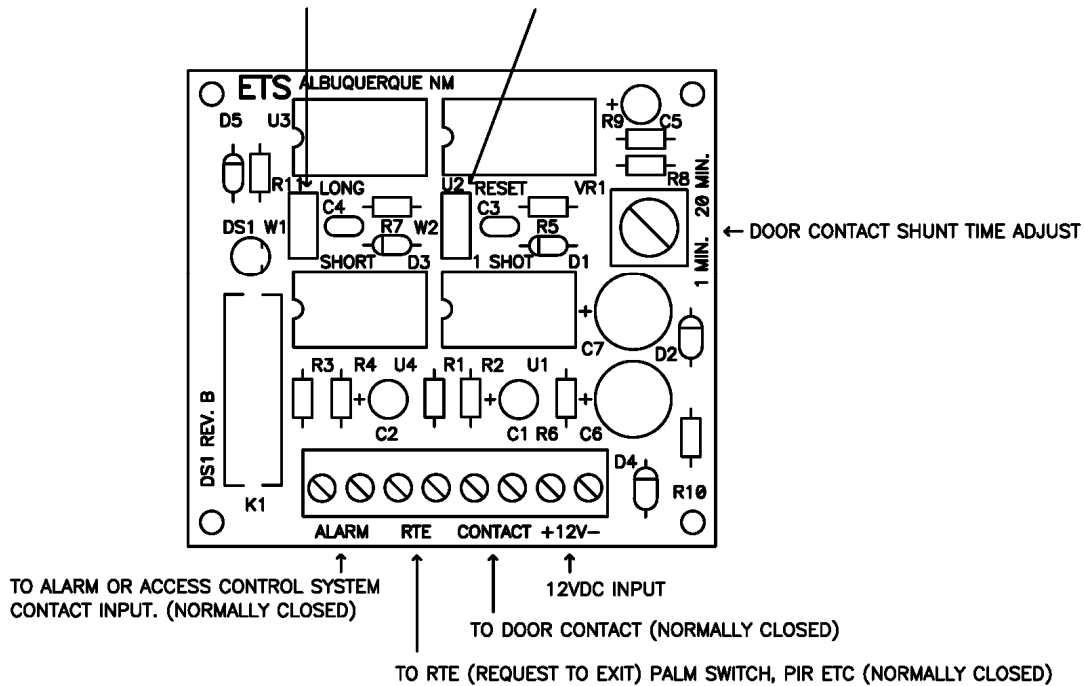


Figure 1.

### 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.**