

Understanding Ademco Hi-Speed (Receiver Signals)

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/*Ademco High Speed & Scantronics Protocol (8)

(9 channel/zone output)

8RRLLLAAAAsCCCCsCCCCsC[DC4]

Where,

8 : Protocol number

RR : Virtual Receiver number

LLL : Virtual Line number

AAAA : Account code

s : Space

CCCC : Channel 1-4

s : Space

CCCC : Channel 5-8

s : Space

C : Channel 9

[DC4] : Terminator, 14 Hex.

(17 channel/zone output) 8RRLLLAAAAAsCCCCsCCCCsCCCCsCCCCsC[DC4]

Where,

8 : Protocol number

RR : Virtual Receiver number

LLL : Virtual Line number

AAAA : Account code

s : Space

CCC... : Channels 1-16

s : Space

C : Channel 17

[DC4] : Terminator, 14 Hex.

The above examples are shown with 6 digit accounts, for accounts less than this, leading digits are not sent, for example 2-8-1 will be output as: 8RRLLLAAsCCCCsCCCCsC[DC4]

General Description

This DTMF format is also called ADEMCO "Super Fast" format.

The format is: AAAAXXXXXXXXXY

Where,

AAAA = Account code, can be 2, 3 or 4 digits.

X = Zone status

Y = Auxiliary zone status

Zone status

X =

1 : New event

2 : New opening

3 : New restore

4 : New closing

5 : Normal

6 : Previous reported event still in effect

A – F: There is no library for these events. These events will not be decoded.

0 : New Trouble

Auxiliary zone status

Y = 1 : Duress report in previous 8 zones

2 : Opening report in previous 8 zones

3 : Bypass/unbypass report in previous 8 zones

4 : Closing report in previous 8 zones (with user# in zone 1)

5 : Zone trouble active/restore report in previous 8 zones

6 : System trouble active/restore report in previous 8 zones

7 : Zone status report in previous 8 zones

8 : New low battery

9 : Test report

A – F: There is no library for these events. These events will not be decoded.