

Intelligent and Non-Intelligent Signal Standards

12/22/2023 1:28 pm EST

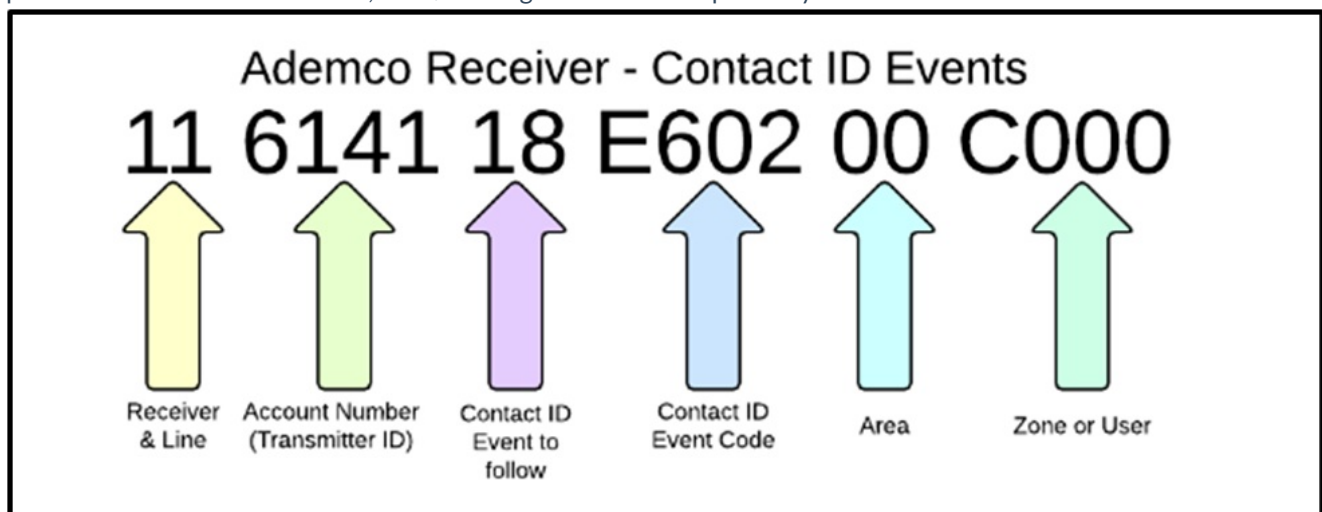
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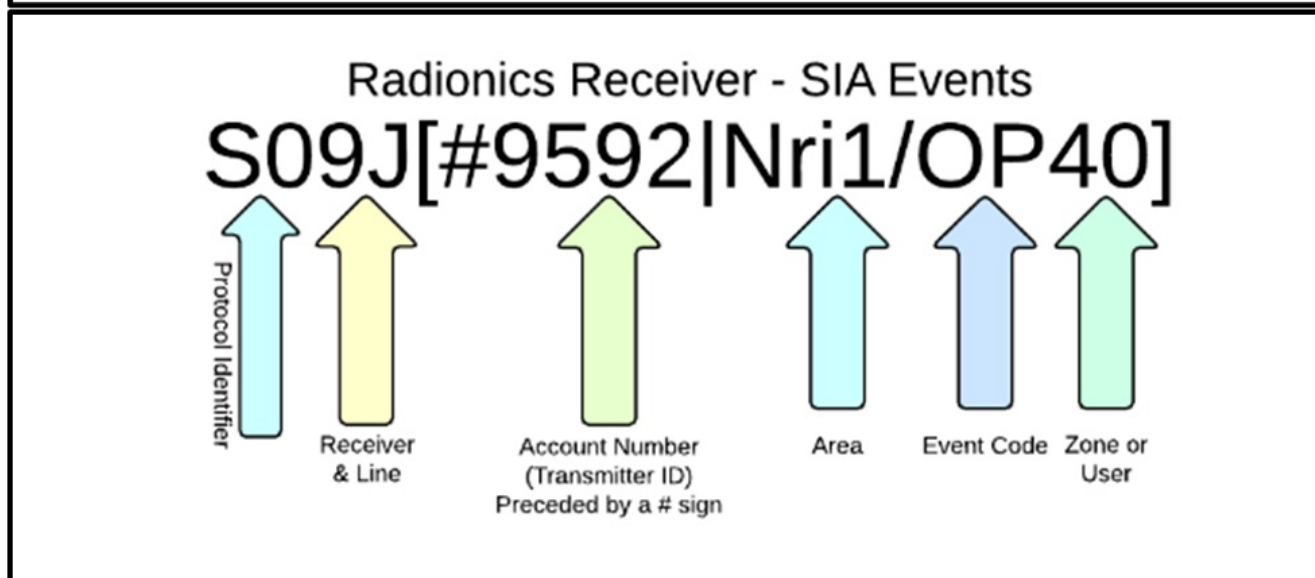
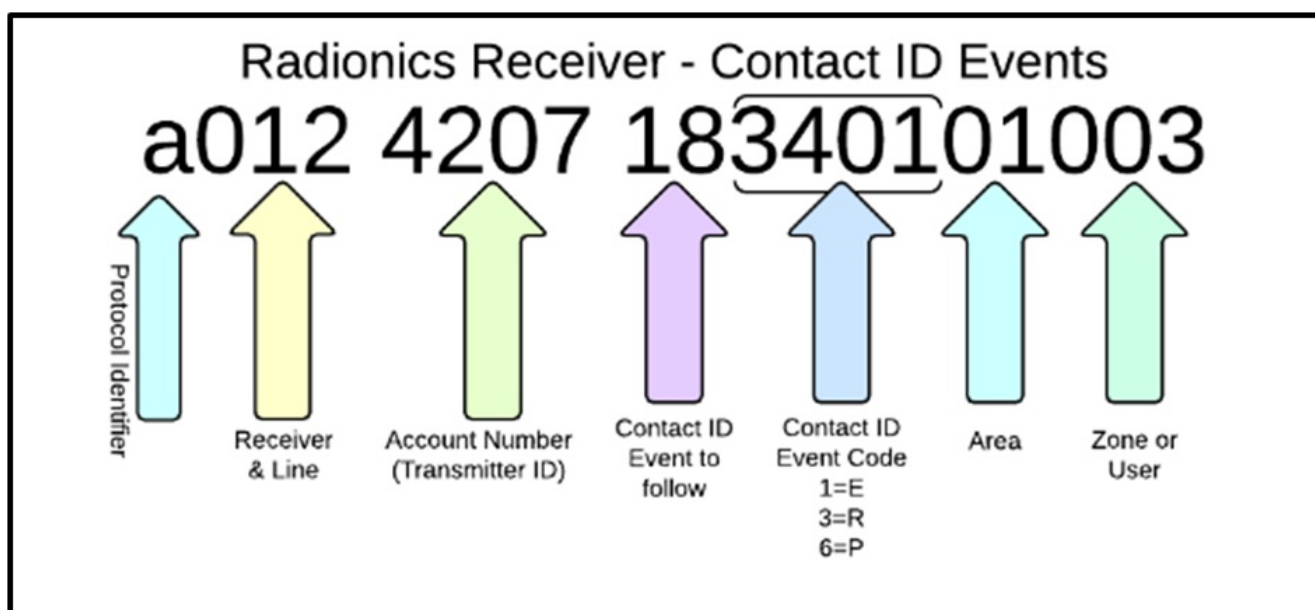
[Intelligent Signals](#)

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Intelligent Signals

One of the most common signaling formats is Ademco Contact ID. These are reasonably easy to read. We use the Manitou Event Maps to translate the standard codes. Please note Ademco offers over 1200 custom codes but only defines less than half of them. That means, that there will be some differences in events from site to site. Each receiver will order their Contact ID differently and getting to know them all is important to ensure the best signal translations possible. For Radionics receivers, the E/R changes to 1 and 3 respectively.

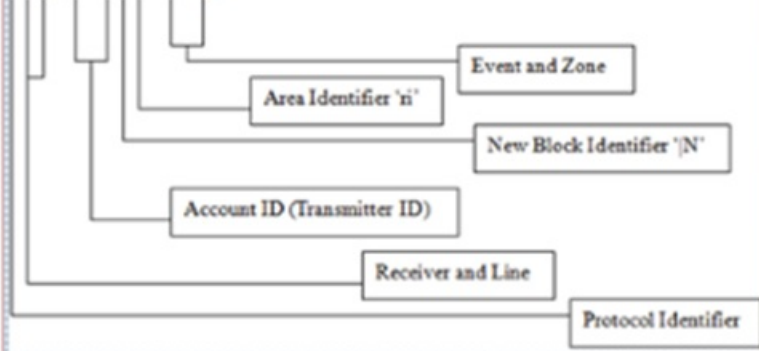




SIA signals are also quite common. The breakdown of the signals is relatively easy to read. The # sign indicates the Account number to which this applies, and the Vertical pipe separates the ID number and the rest of the signal. N = New Block and two lowercase letters for the partition identifier (most common but not the only code is "ri," and slashes separate the different events within the string. SIA signals are also quite common. The breakdown of the signals is relatively easy to read. The # sign indicates the Account number to which this applies, and the Vertical pipe separates the ID number and the rest of the signal. N = New Block and two lowercase letters for the partition identifier (most common but not the only code is "ri," and slashes separate the different events within the string.

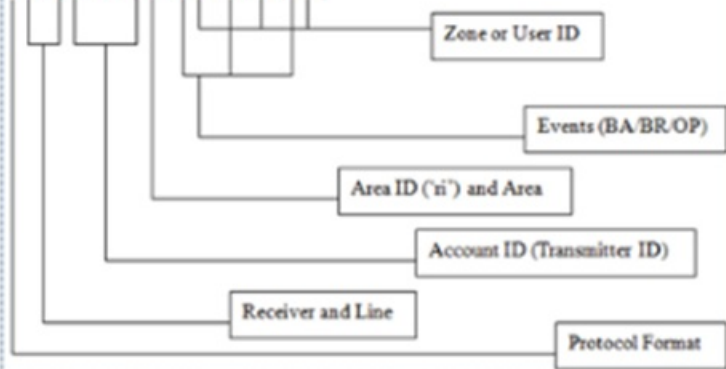
Radionics

S09J[#9592]Nn1.OP40]



Surgard

S011[#100001]n2.BA02.BR03.OP13]



OH2000

Y070397 15:37:42

S011

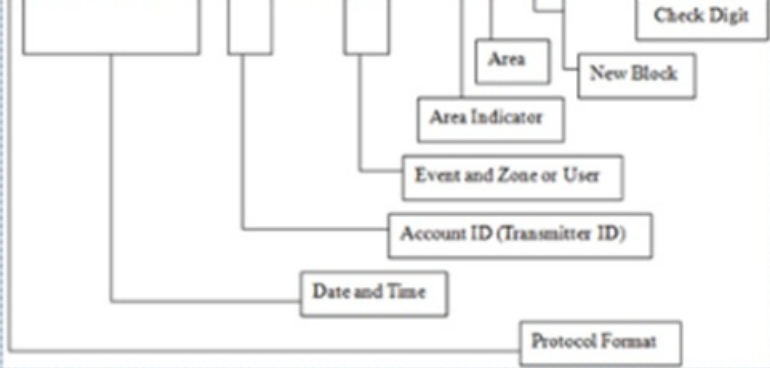
QT03

UT99

r11

N

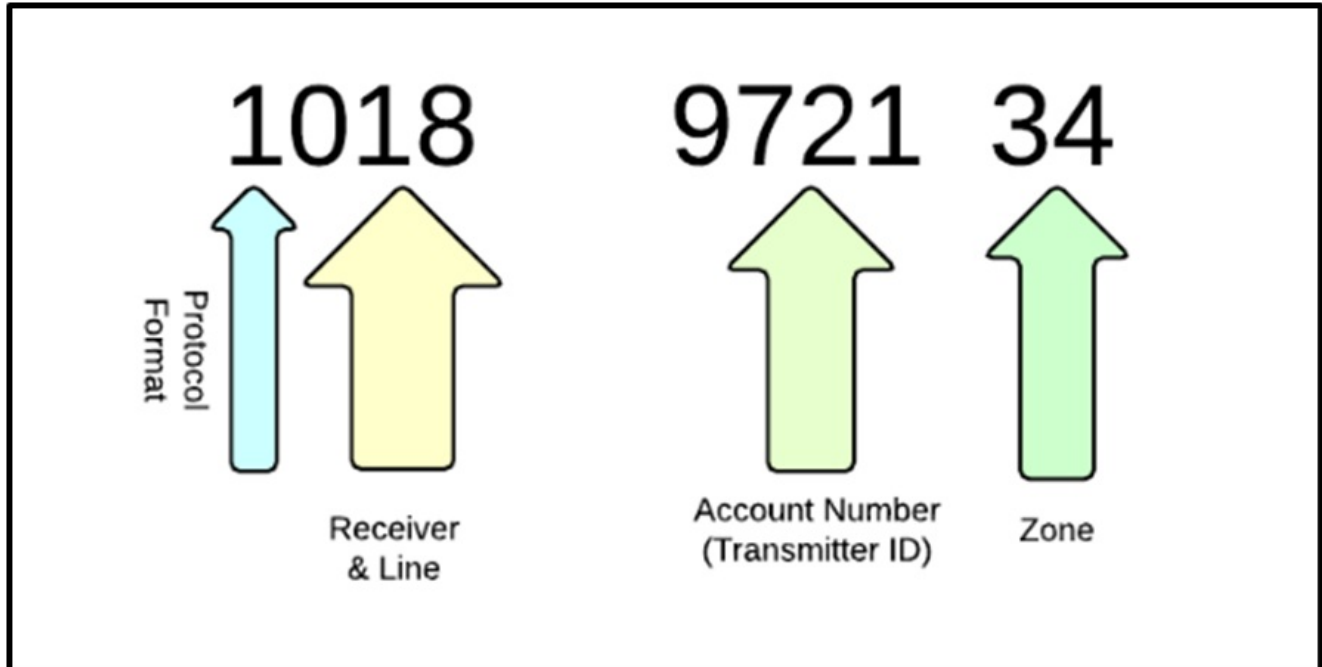
#3



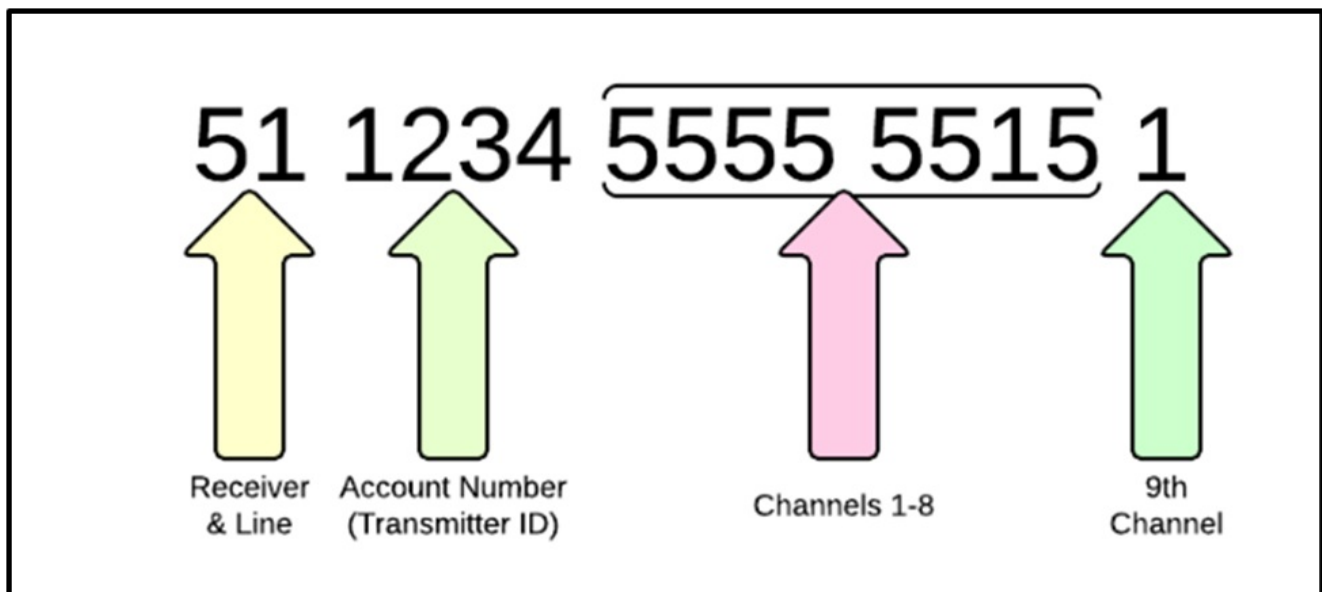
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Non-Intelligent Signals

This is a 4X2 signal. One of the most generic forms of signals you can receive. It simply states "something" happened in a zone. It is up to the Manitou Programming on the Transmitter or customer to determine what it means.



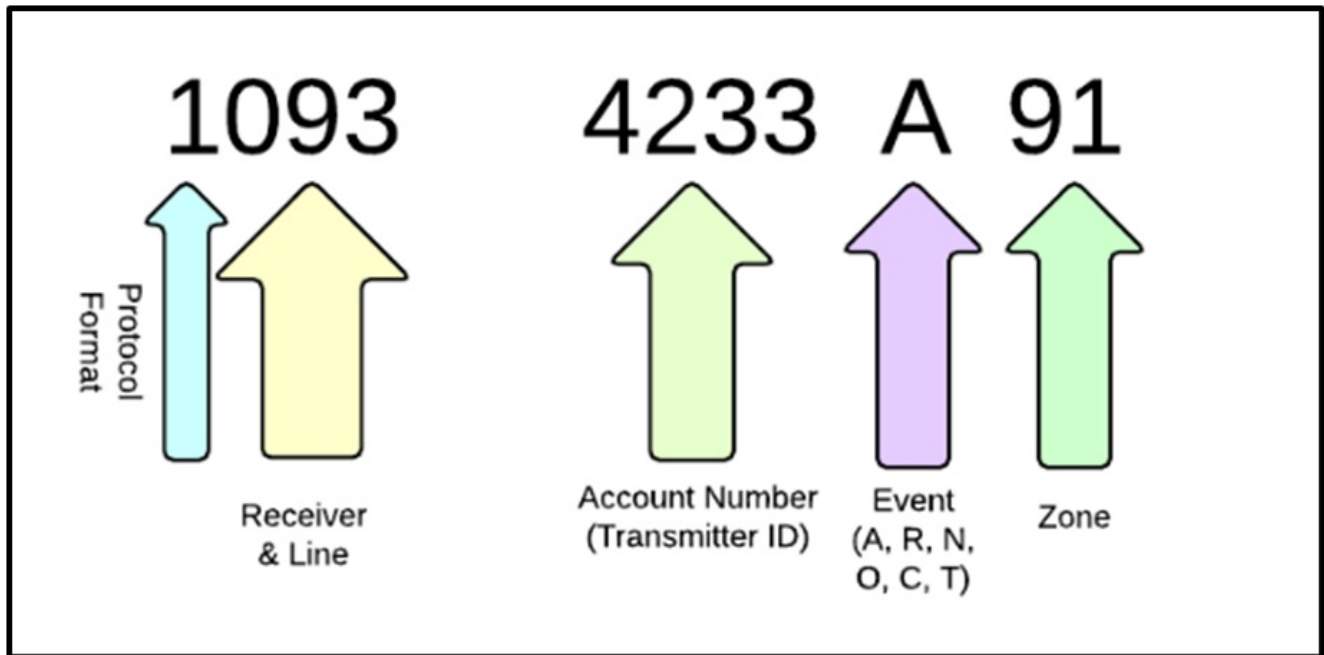
Next, we have an Ademco Highspeed format signal. 5 is the normal state, the change from five to another number indicates what is happening on that position. 1 = Alarm, 3 = Restore, etc...



This is a Radionics format 4X2 Signal. It is "slightly" more intelligent than the standard 4X2 as it has an event. Still, only Alarm only says an Alarm happened on the zone, if you want to know what sort of alarm, then it still requires programming. A = Alarm, R = Restore, N = "shunt" or in Manitou Bypass, O = Open, C = Close, and T = Trouble.

Every reporting format will have its nuances but in general, if you can get used to the way the signals look, you can start

to read them.



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