

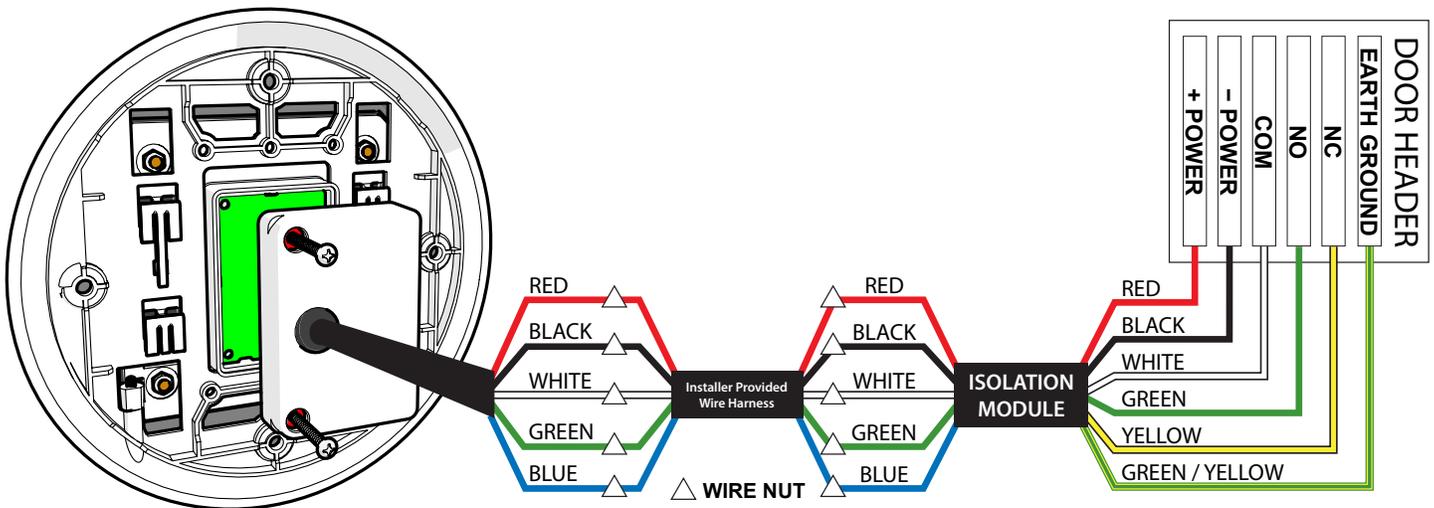


# APPLICATION NOTE

## ISOLATION MODULE

This Application Note applies to the following BEA Products: MS21-H

The BEA Isolation Module is designed to filter door control noise from the MS21-H power and switch inputs. It also includes a mechanical isolation relay which further reduces coupling of noise.



SIGNAL TYPE	SIGNAL	WIRE COLOR	DESCRIPTION
input	AC/DC +	red	+ 12 – 24 AC/DC power from door control or transformer
input	AC/DC -	black	- 12 – 24 AC/DC power from door control or transformer
input	COM	white	wire nut to COM (white) wire from MS21-H
input	ACT	green	wire nut to ACT (green) wire from MS21-H
input	EARTH GROUND	blue	wire nut to EARTH GROUND (blue) wire from MS21-H
output	COM	white	to door control COM
output	NO	green	to door control NO
output	NC	yellow	to door control NC (if applicable)
output	AC/DC +	red	wire nut to + AC/DC (red) wire from MS21-H
output	AC/DC -	black	wire nut to - AC/DC (black) wire from MS21-H
output	EARTH GROUND	green / yellow	wire nut to EARTH GROUND (blue) wire from MS21-H