

E-S1600/02 - NIR Retro-Reflective Photoeye (NIR)

AS A SAFETY DEVICE

Version BEN Series

1. Connect **GRAY** wire on the photo eye to one of the opening safety terminal (**FSW OP**) or closing safety terminal (**FSW CL**) or **both** on terminal block CN4. See charts below to see results of using a safety device in in those terminals and in different logics.
2. Connect **WHITE** wire on the NIR to **Terminal COM** on terminal block CN4.
3. Connect **Brown** wire on the NIR to **Terminal 24V-** on terminal block CN1.
4. Connect **BLUE** wire on the NIR to **Terminal 24V+** on terminal block CN1.

BLACK wire is not used.

Auto Close ON / C=1		Below is a description of what the gate will do when the safety device is triggered during different phases of the gates cycle.	
Gate Status	Device in FSW OP	Device in FSW CL	Device in both
Closed	Disables opening	N/A	Disables Opening
Open	N/A	Locks pause time	Locks pause time
Closing	N/A	Reverses motion	Stops/reverses
Opening	Stops/resumes	N/A	Stops/resumes

Auto Close OFF / C=0		Below is a description of what the gate will do when the safety device is triggered during different phases of the gates cycle.	
Gate Status	Device in FSW OP	Device in FSW CL	Device in both
Closed	Disables opening	N/A	Disables Opening
Open	N/A	Disables closing	Disables closing
Closing	N/A	Reverses motion	Stops/reverses
Opening	Stops/resumes	N/A	Stops/resumes

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AS AN OPENING DEVICE

Version BEN Series

1. Connect **BLACK** wire on the NIR to **Terminal OPEN A** on terminal block CN4.
2. Connect **WHITE** wire on the NIR to **Terminal COM** on terminal block CN4.
3. Connect **BROWN** wire on the NIR to **Terminal 24V-** on terminal block CN1.
4. Connect **BLUE** wire on the NIR to **Terminal 24V+** on terminal block CN1.
5. Change your parameters to **C1, D0, E1**. They must be set this way to work with the photo eye properly.

GRAY wire is not used.