

NABCO ENTRANCES TECHNICAL BULLETIN

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New U11 Microprocessor replaces U10

Because field experience has shown us that the U10 Microprocessor control used in swingers needed some refinement, we have now gone to a next revision of the control. Revisions were also made to improve folding door operation. For swinging and folding doors, the U11 is different from the U10 in the following ways:

1. It will no longer do a slow learning sweep when turned on.
2. When the door is pushed while opening, the U11 will not trip into the slow or stop mode as easily as the U10.
3. There is now a unique Handy Terminal settings just for folding doors that will provide a different range of speed adjustments specifically designed for that type of door.
4. When used in a folding door, the U11 will control the BEA Bodyguard without the need for an additional module.

For sliding doors, the U11 is no different than the U10 and therefore is interchangeable.

As of March 27, all swingers with Microprocessor controls and all folding doors will have U11 controls. As of May 4, all GT1175 and Convenience Windows will be shipped with the U11. We have new Set Up and Programming Manuals for the U11 for Sliders, Swingers, and the Folding Door which can be requested from the factory if you want one in advance.

In addition to using the U11 on folding doors, the factory will soon begin shipping all folding doors with a BEA Bodyguard on the fold side for threshold sensing, an Acusensor for activation, and an optional Acusensor & shim assembly for two-way traffic activation.

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The description below outlines the differences in setting the door with the Handy Terminal.

SETTING THE SWING OR FOLDING DOOR MODE

The initial question of “Swing or Slide” is still answered as “swing”, but the folding mode is selected later in the adjustment sequence when the “Manual Open” choices are made. As shown below, how the “Manual Open” choices are made will determine if the setting is for a swing or a folding door as well as choosing how the door will act if pushed open manually.

- 0:** for swing door only-the door will close when the door is pushed manually then released.
- 1:** for swing door only-the door will be activated when pushed (“Push-to-start”)
- 2:** for folding door only- the door will close when the door is pushed manually then released.
- 3:** for folding door only- the door will be activated when pushed (“Push-to-start”).

FOLDING MODE

The output option has changed: Option “3” will now be used to select a mode for controlling the Bodyguard sensor. In the U11, the AUX. Output can be used for controlling an electric lock in sliders and swing doors, but in folding doors, its function will be to control the Bodyguard. If an electric lock is required in a folding door, a Model 170 module would be required. Contact the factory for instructions on how to wire this module.

SWING MODE:

In the U11, the Sig. At Closing and Sig. Full Open options are used as shown below:

- Option 1** Sig. At Closing: N, Sig. Full Open:N
This option is for the Acuguard system with sensors on both sides of the door. The operator’s microswitch must be used here to shut off the swing-side door sensor before it sees the rail or wall.
- Option 2** Sig. At Closing:Y, Sig. Full Open:N
This option is used in the same application as 1 above, but it will enable the control to ignore the Acuguard signal at backcheck and beyond, making the use of the backcheck microswitch unnecessary.
- Option 3** Sig. At Closing:N, Sig. Full Open:Y
This option is for the Acurail system of holding beam and Acusensor on swing-side.
- Option 4** Sig. At Closing:Y, Sig. Full Open:Y
This option is for systems that consist of a mat and holding beam.