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## NABCO ENTRANCES TECHNICAL BULLETIN

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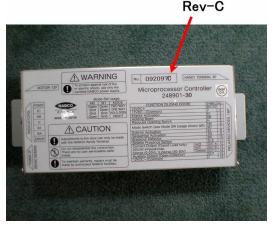
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Who is the technical contact?
Mike Buckley

## GT1175 Sliding Door with U30 Control - Software Revision C

The U30 control has undergone software enhancements based on field input. Refer to the picture below. The letter "C" at the end of the serial number identifies a U30 control with this software. The control part number remains the same: 24-8901-30.



These added benefits will provide more functionality in the following extreme conditions:

- 1) Heavy doors over 300 pounds
- 2) Heavy wind or stack pressure
- 3) Extreme cold climates with exterior doors that experience sustained temperatures below 0 degrees Fahrenheit.

These benefits are the result of recalibrating opening power and recycle sensitivity based on door weight.

The U30 control rev-C requires the closing speed and recycle sensitivity to be adjusted based on door weight.

Example of recommended settings:

 $\underline{\text{Max door weight}} \quad \underline{\text{Closing Speed}} \quad \underline{\text{Recycle Sensitivity}}$ 

160 pounds	2*	1*	* = Factory Default
300 pounds	2	2	
600 pounds	1	3	

Always verify results with a force gauge after making changes to meet the ANSI standard.

Additional software refinements: (refer also to Handy Terminal Table of Factory Settings on page two of this bulletin)

1. Under Extra functions, a "Y/N" sidelight sensor option has been added.

Sidelite Sensor Settings Chart				
Function Setting	Door Position	Door reaction when sensor is activated		
Option set to "N"	Fully Closed	Door stays closed		
	Opening	Door continues opening		
Option set to "Y"	Fully Closed	Door opens in creep speed		
	Opening	Door opens in creep speed		

- 2. The Holding Beam default setting is changed to "N". This instructs the control to ignore the holding beam when the door is fully closed.
- 3. Auxiliary Output2 default setting is changed to "3". Refer to bulletin 42 for more information.
- 4. Incremental open and closing speed settings are now available via new FUNCTIONS (21) & (22). Ranges are 0 7. (setting 0 has no effect). These settings allow you to set speeds in between the standard open and close settings found in Standard Functions.

Example: After setting up the door, it was found that open speed setting 3 is too slow and open speed setting 4 is too fast. It is possible to achieve an open speed that is halfway between 3 and 4 by setting FUNCTION 21 (Incremental open speed) to setting 4. This will allow the door to open at a speed that is approximately equal to 3.5.

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Handy Terminal Table of Factory Settings (Software Rev-C)

	Adjustable Function	This Function Only Available with Blue Handy Terminal	Factory setting	Options
Standard Functions	Opening speed		3	Range 0 - 7
	Closing speed		2	Range 0 - 7
	Time delay		2	Range 0 - 7
Feeling Adjustments	Start power		3	Range 0 - 7
	Check power		6	Range 0 - 7
	Reaction power		4	Range 0 - 7
	Back-check speed		1	Range 0 - 3
	Latch-check speed		1	Range 0 - 3
	Hold close		Υ	Yes or No
	Holding beam		N	Yes or No
	Power on		0	Range 0 - 3
	Manual opening		0	Range 0 - 3
	Reduced opening		N	Yes or No
Special Functions	Recycle (Motor rotation - see page 11)		N	Yes or No
	Recycle sensitivity		1	Range 0 - 3
	After recycle		Υ	Yes or No
	Auxiliary output 1		3	Range 0 - 3
	Output timer 1*		3	Range 0 - 3
	Extended time delay		7	Range 0 - 7
Extra Functions	FUNCTION (1) Sidelite Sensor Option	Х	Y	Yes or No
	FUNCTION (11) Back-check position	Х	0	Range 0 - 3
	FUNCTION (12) Latch-check position	Х	0	Range 0 - 3
	FUNCTION (13) Auxiliary output 2	Х	3	Range 0 - 3
	FUNCTION (14) Output timer 2*	Х	0	Range 0 - 3
	FUNCTION (21) (Incremental Open Speed Adjustment)	Х	0	Range 0 - 7
	FUNCTION (22) (Incremental Close Speed Adjustment)	Х	0	Range 0 - 7

Output timer 1 selection is required only when selecting 0 or 2 on the Auxiliary output 1. Output timer 2 selection is required only when selecting 2 on the Auxiliary output 2.

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