

Chapter 7 Respective Parameter Setup

This chapter describes respective parameter setup carried out on the operation panel.

Respective parameter setup is classified into user setting mode and engineering setting mode.

NOTE

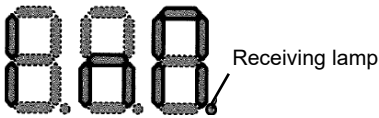
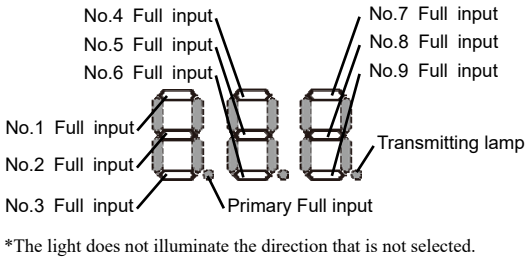
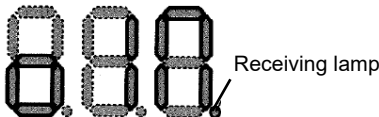
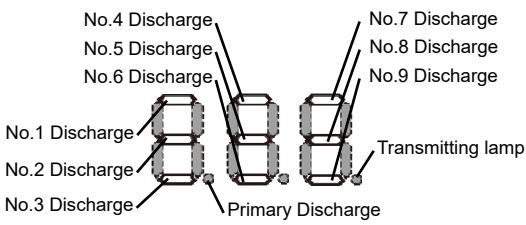
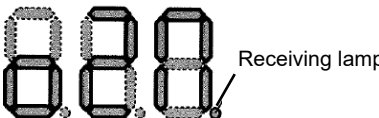
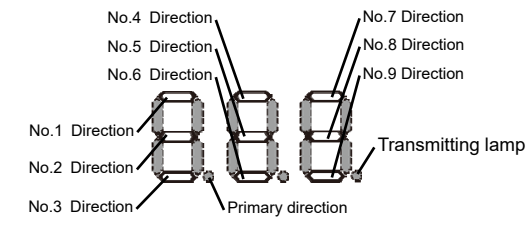
The parameters of the engineering setting mode have been set according to the specification at shipment or at installation. In general, there is no need to change the setting. When changing the setting, sufficiently understand the functions. When in doubt, contact our responsible personnel.

1. Setting guide

User setting mode					
No.	Code	Setting item	Function	Setting range	Initial value
1	Fd1	No. 1 Conveyance timer	The timer should be set for No.1 conveyance time. The time for conveyance varies with the conveying distance, the type of material, and the type of collection hopper. The conveyance timer should be set so that conveyance ends before the collection hopper becomes full of material.	0 - 999 sec	5 sec
2	Fd2	No.2 Conveyance timer	The timer should be set for No.2 conveyance time. The time for conveyance varies with the conveying distance, the type of material, and the type of collection hopper. The conveyance timer should be set so that conveyance ends before the collection hopper becomes full of material.	0 - 999 sec	5 sec
3	dC1	No. 1 Discharge timer	The timer should be set for time to No.1 discharge material from the collection hopper. The time for discharge varies with the type of material, the size of the collection hopper and the discharge mechanism. The discharge timer should be set so that the material in the collection hopper is completely discharged.	0 - 999 sec	20 sec
4	dC2	No. 2 Discharge timer	The timer should be set for time to No.2 discharge material from the collection hopper. The time for discharge varies with the type of material, the size of the collection hopper and the discharge mechanism. The discharge timer should be set so that the material in the collection hopper is completely discharged.	0 - 999 sec	20 sec

5	bt1	No. 1 Batch gate timer	No.1 Batch gate timer should be set for opening time of automatic slide gate when the batch conveyance option is performed. This should be set so that any desired amount is conveyed.	0.0 - 99.9 sec	1.0
6	bt2	No. 2 Batch gate timer	No.2 Batch gate timer should be set for opening time of automatic slide gate when the batch conveyance option is performed. This should be set so that any desired amount is conveyed.	0.0 - 99.9 sec	1.0
7	dUC	Dust cleaning counter	The counter should be set for conveyance times to inform filter cleaning interval. If this counter is set to OFF, this does not function. When the conveyance times reach the set value, E15 appears on the digital displayer on the operation panel, informing of the cleaning interval. The set times vary with properties of the conveying material and operating status.	oFF, 1 – 999 times	oFF
8	dUP	Dust cleaning count	This displays the count number of the dust cleaning counter. When this is set to 0, the count number is reset.	0 – 999 times	0
9	InM	Conveying destination full status check monitor	Reffer to *1	—	—
10	o1M	General-purpose output ① monitor	Reffer to *1	—	—
11	o2M	General-purpose output ② monitor	Reffer to *1	—	—

*1. Segments of the Conveying destination full status check monitor and general-purpose output monitor

	PV Display digit (Red)	SV Display digit (Green)
Conveying destination full status check monitor		 <p>No.4 Full input No.5 Full input No.6 Full input No.1 Full input No.2 Full input No.3 Full input No.7 Full input No.8 Full input No.9 Full input Transmitting lamp Primary Full input</p> <p>*The light does not illuminate the direction that is not selected.</p>
General-purpose output ① monitor		 <p>No.4 Discharge No.5 Discharge No.6 Discharge No.1 Discharge No.2 Discharge No.3 Discharge No.7 Discharge No.8 Discharge No.9 Discharge Transmitting lamp Primary Discharge</p>
General-purpose output ② monitor		 <p>No.4 Direction No.5 Direction No.6 Direction No.1 Direction No.2 Direction No.3 Direction No.7 Direction No.8 Direction No.9 Direction Transmitting lamp Primary direction</p>

Engineering setting mode					
No.	Code	Setting item	Function	Setting range	Initial value
1	L1d	No. 1 Request signal delay timer	The timer should be set for the time to judge No.1 request signal. The timer should be set so as to disregard a false request signal in short time due to flowing of material.	0 - 99 sec	5 sec
2	1Ed	No. 1 Conveyance error timer	The timer should be set for level switch request status monitoring time during No. 1 conveying operation.	oFF, 1 - 999 sec	oFF
3	2Ed	No. 2 Conveyance error timer	The timer should be set for level switch request status monitoring time during No. 2 conveying operation.	oFF, 1 - 999 sec	oFF
4	L2d	No. 2 Request signal delay timer	The timer should be set for the time to judge No.2 request signal. The timer should be set so as to disregard a false request signal in short time due to flowing of material.	0 - 99 sec	5 sec
5	bn_	Batch gate interlocking direction	This should be set for interlocking conveying direction when the batch conveyance option is performed. oFF: No batch conveyance 1: Interlocking in No. 1 direction ALL: Interlocking in all directions Note In case of this specification (conveyance in one direction), 1 and ALL have the same meaning.	oFF, 1, ALL	oFF
6	SEr	No.1~6 number of dumper biting insert prevention operations	Setting number of dumper biting prevention operations.	oFF, 1~10 times	oFF
7	SEo	No.1~6 dumper biting insert prevention Dumper open time	The timer should be set for dumper open time when biting insert prevention is settled.	1~10 sec	2 sec
8	SEC	No.1~6 dumper biting insert prevention Dumper close time	The timer should be set for dumper close time when biting insert prevention is settled.	1~10 sec	2 sec

9	Pdt	Dumper open time before conveyance	Setting of dumper open time before conveyance.	oFF, 1~10 sec	oFF
10	Pdd	Conveyance start delay timer	The timer should be set for the delay time of conveying start.	1~10 sec	1 sec
11	PdW	Conveyance blower start delay timer	The timer should be set for the delay time of conveying blower start.	1~10 sec	1 sec
12	Jd_	—	This should be set in case of special specifications. Keep the initial value.	—	0
13	JAt	—	This should be set in case of special specifications. Keep the initial value.	—	3
14	Jbt	—	This should be set in case of special specifications. Keep the initial value.	—	3
15	JC_	—	This should be set in case of special specifications. Keep the initial value.	—	1
16	Ab_	—	This should be set in case of special specifications. Keep the initial value.	—	A
17	JS_	—	This should be set in case of special specifications. Keep the initial value.	—	oFF










2. Setting procedure

The codes for each setting item are displayed on the left digital display (red).

The set values are displayed on the right digital display (green).



NOTE

Carry out the respective setting procedures after stopping operation. The setting mode cannot be turned on during operation.

Step	User setting mode
1	Press the SV switch  . The User Setting Mode display flashes.
2	Codes for setting items and set values are displayed on the digital display. With this state, respective setting items are sequentially displayed each time when the SV switch  is depressed. Display code for any desired setting item.
3	Press the ENTER switch  with the code for any desired setting item displayed. The set value can now be changed. Set the set value to any desired value with the UP switch  or DOWN switch  . The set value is written when the ENTER switch  is depressed. [Remark] 1 setting unit is added every time the UP switch  is depressed. It is continuously added when the switch is kept depressed. 1 setting unit is subtracted every time the DOWN switch  is depressed. It is continuously subtracted when the switch is kept depressed.
4	The mode returns to the normal mode when the SV switch  is depressed while the last setting item (dUP) is displayed.

NOTE

Unless operation is performed for ten seconds or longer, the mode automatically exits the setting mode and returns to the normal mode.

Step	Engineering setting mode
1	Keep pressing the SV switch  for five seconds or longer. The Engineering Setting Mode display blinks.
2	Codes for setting items and set values are displayed on the digital display. Operate in the same way as the User Setting Mode from now on.
3	After the setting procedure is completed, the mode returns to the normal mode when the SV switch  is kept depressed for five seconds or longer.
<div style="text-align: center; border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;">NOTE</div> <p>Unless operation is performed for ten seconds or longer, the mode automatically exits the setting mode and returns to the normal mode.</p>	