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. Hereinafter, same as above.	Same as above	Same as above
3	Fd3	No.3 Conveyance timer	The timer should be set for No.3 conveyance time. Hereinafter, same as above.	Same as above	Same as above
4	Fd4	No.4 Conveyance timer	The timer should be set for No.4 conveyance time. Hereinafter, same as above.	Same as above	Same as above
5	Fd5	No.5 Conveyance timer	The timer should be set for No.5 conveyance time. Hereinafter, same as above.	Same as above	Same as above
6	Fd6	No.6 Conveyance timer	The timer should be set for No.6 conveyance time. Hereinafter, same as above.	Same as above	Same as above

No.	Code	Setting item	Function	Setting range	Initial value
7	dC1	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	20 sec
8	dC2	No.2 Conveyance timer	The timer should be set for No.2 conveyance time.	Same as above	Same as above
9	dC3	No.3 Conveyance timer	The timer should be set for No.3 conveyance time.	Same as above	Same as above
10	dC4	No.4 Conveyance timer	The timer should be set for No.4 conveyance time.	Same as above	Same as above
11	dC5	No.5 Conveyance timer	The timer should be set for No.5 conveyance time.	Same as above	Same as above
12	dC6	No.6 Conveyance timer	The timer should be set for No.6 conveyance time.	Same as above	Same as above
13	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
14	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

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	L2d	No.2 Request signal delay timer	The timer should be set for the time to judge No.2 request signal. Hereinafter same as above.	Same as above	Same as above
3	L3d	No.3 Request signal delay timer	The timer should be set for the time to judge No.3 request signal. Hereinafter same as above.	Same as above	Same as above
4	L4d	No.4 Request signal delay timer	The timer should be set for the time to judge No.4 request signal. Hereinafter same as above.	Same as above	Same as above
5	L5d	No.5 Request signal delay timer	The timer should be set for the time to judge No.5 request signal. Hereinafter same as above.	Same as above	Same as above
6	L6d	No.6 Request signal delay timer	The timer should be set for the time to judge No.6 request signal. Hereinafter same as above.	Same as above	Same as above
7	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
8	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
9	3Ed	No. 3 Conveyance error timer	The timer should be set for level switch request status monitoring time during No. 3 conveying operation.	oFF, 1 - 999 sec	oFF
10	4Ed	No. 4 Conveyance error timer	The timer should be set for level switch request status monitoring time during No. 4 conveying operation.	oFF, 1 - 999 sec	oFF
11	5Ed	No. 5 Conveyance error timer	The timer should be set for level switch request status monitoring time during No. 5 conveying operation.	oFF, 1 - 999 sec	oFF
12	6Ed	No. 6 Conveyance error timer	The timer should be set for level switch request status monitoring time during No. 6 conveying operation.	o FF, 1～999 sec	o FF
13	1rL	No. 1 Request signal input select	This should be set for the type of No.1 request signal. no: State where input circuit is open should be a request signal. nC: State where input circuit is close should be a request signal.	nC／no	no

No.	Code	Setting item	Function	Setting range	Initial value
14	2rL	No. 2 Request signal input select	This should be set for the type of No. 2 request signal. Hereinafter same as above.	Same as above	Same as above
15	3rL	No.3 Request signal input select	This should be set for the type of No. 3 request signal. Hereinafter same as above.	Same as above	Same as above
16	4rL	No.4 Request signal input select	This should be set for the type of No. 4 request signal. Hereinafter same as above.	Same as above	Same as above
17	5rL	No.5 Request signal input select	This should be set for the type of No. 5 request signal. Hereinafter same as above.	Same as above	Same as above
18	6rL	No.6 Request signal input select	This should be set for the type of No. 6 request signal. Hereinafter same as above.	Same as above	Same as above
19	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
20	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. Hereinafter same as above.	Same as above	Same as above
21	bt3	No.3 Batch gate timer	No.3 Batch gate timer should be set for opening time of automatic slide gate when the batch conveyance option is performed. Hereinafter same as above.	Same as above	Same as above
22	bt4	No.4 Batch gate timer	No.4 Batch gate timer should be set for opening time of automatic slide gate when the batch conveyance option is performed. Hereinafter same as above.	Same as above	Same as above
23	bt5	No.5 Batch gate timer	No.5 Batch gate timer should be set for opening time of automatic slide gate when the batch conveyance option is performed. Hereinafter same as above.	Same as above	Same as above
24	bt6	No.6 Batch gate timer	No.6 Batch gate timer should be set for opening time of automatic slide gate when the batch conveyance option is performed. Hereinafter same as above.	Same as above	Same as above

No.	Code	Setting item	Function	Setting range	Initial value
25	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 2: Interlocking in No. 2 direction 3: Interlocking in No. 3 direction 4: Interlocking in No. 4 direction 5: Interlocking in No. 5 direction 6: Interlocking in No. 6 direction ALL: Interlocking in all directions	oFF, 1,2,3,4,5,6 ALL	oFF
26	bS_	Batch gate	When batch conveyance option is performed, this should be set to select the type. 0: Automatic slide gate 1-2: These cannot be set for standard specifications and options This should be set for special specification. (Remark) 1: Idling valve 2: MSD	0	0
27	Jd_	—	This should be set in case of special specifications. Keep the initial value.	—	0
28	JAt	—	Same as above	—	3
29	Jbt	—	Same as above	—	3
30	JC_	—	Same as above	—	1
31	Ab_	—	Same as above	—	A
32	JS_	—	Same as above	—	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 (SV). 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 (SV) 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 UP 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 (SV) 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 (SV) 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 (SV) is kept depressed for five seconds or longer.

NOTE

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