

Additional Notes	Γ			Revisior	n History			Revision Descript	tion:									
Additional Holes.		А	В	С	D	E	F	D > Allegion Rebranding										
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		3. tole	erance: ±	13 for artwo	rk			Creation Date N 08-29-11	Number	70200-0041		Revision D						
		5. prir 6. dra	nted in co wings no	untry ma t to scale	y vary			Created By J. Ellis		Activity . 3899 Hancock Expwy		Allegion						
								Software: Illustrate	tor CS6	Security, CO 80911	Co	pyright © 2015						



BR-100 Installation Instructions



This installation guide consists of 3 sections:

- How to connect the BR-100 to an F3 HandReader
 - Bell Output page1
 - Lock Output page 2

F3 HandReader Models
HP-1000E, HP-1000-F3, HP-2000-F3, HP-3000-F3, HP-3000E-F3,
HP-4000-F3, HP-4000-S-F3, HK-2-F3, HK-2-CR-F3, HP-1000E-XL,
HP-1000-XL, HP-2000-XL, HP-3000-XL, HP-3000E-XL

- How to connect the BR-100 to an F1 HandReader
 - Bell Output page 2
 - Lock Output page 3

F1 HandReader Models	
HP-50E, HP-1000, HP-2000, HP-3000, HP-3000E,	
HP-4000, HP-4000-S, HK-2, HK-CR	

- How to connect the BR-100 to an E Series HandReader
 - Bell Output page 3
 - Lock Output page 4

E Series HandReader Models ID3D-R, ID3D-RW, LH-100, LH-100-RW

ACAUTION: Please choose your model carefully as the reader can be damaged by incorrectly wiring the relay.

→ See page 4 for examples on wiring the BR-100 relay to a lock.

How to connect the BR-100 to an F3 HandReader for ...

Bell Output

F	CARD READER OUT INPUT			UT	PU	тs	RESET SWITCH SWITCH INPUTS							NETWORK RS-422 RS-485 4 WIRE		P O W E R		
+5 VDC OUTPUT	DATA / D0	CLOCK / D1	GROUND	LOCK OR CLOCK	BELL OR DATA	AUXOUT 1	AUXOUT 2	SW1	REX SWITCH	GROUND	DOOR SWITCH	AUX IN 1	GROUND	AUX IN 2	1 RJ 11	BARREL CONNECTOR	12-24 VDC (-) or VAC	12-24 VDC (+) or VAC
1	2	3	4	5	6	7	8		9	10	11	12	13	14			2	1
θ	θ	θ	θ	θ	θ	θ	θ		θ	θ	θ	θ	θ	θ			θ	θ
		-	-							-					BI	R-10	0	



How to connect the BR-100 to an F3 HandReader for...

Lock Output

CARD READER INPUT		0	UT	PU	TS	RESET SWITCH		S	WI NP	TCI UTS	H S		NETWORK RS-422 RS-485 4 WIRE						
+5 VDC OUTPUT	DATA / D0	CLOCK / D1	GROUND	LOCK OR CLOCK	BELL OR DATA	AUXOUT 1	AUXOUT 2	SW1	REX SWITCH	GROUND	DOOR SWITCH	AUX IN 1	GROUND	AUX IN 2	1 RJ 11	BARREL CONNECTOR	12-24 VDC (-) or VAC	12-24 VDC (+) or VAC	
1	2	3	4	5	6	7	8		9	10	11	12	13	14			2	1	
θ	θ	\ominus	θ	θ	θ	θ	θ		θ	θ	θ	θ	θ	θ			Θ	θ	
															BI	२-10	0		
					L										TB1	TE	32/F	REL	AY
L					t										 +5 BELL			NC COI NC) M)

How to connect the BR-100 to an F1 HandReader for...

Bell Output

	POWER	RS-422 RS-485 4 WIRE		sv	VIT	СН	IN	PU'	TS		R	CA EA INP	RD DE PUT	R			0	UTI	PU7	тs											
IF INSTALLED ISTALLED ISTALLED	SWITCH	RJ 11 1	REX SWITCH	GROUND	DOOR SWITCH	GROUND	AUX IN 1	GROUND	AUX IN 2	GROUND	+5 VDC OUTPUT	DATA INPUT	CLOCK INPUT	GROUND	LOCK OR CLOCK	GROUND	BELL OR DATA	GROUND	AUXOUT 1	GROUND	AUXOUT 2	GROUND									
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26									
			θ	θ	θ	θ	\ominus	θ	θ	θ	θ	\oplus	θ	\ominus	\ominus	θ	θ	θ	θ	\ominus	\ominus	θ									
							Γ		[ТВ	1	В	R-'	10(ТВ2) 2/R	EL	AY						_							
							L				+; BE	5 LL						; M)		- E	BELI				PC	POW SUP	POW SUPF	POWE	POWE	POWEI SUPPL	POWEI SUPPL

How to connect the BR-100 to an F1 HandReader for...

Lock Output



How to connect the BR-100 to an E Series HandReader for...

Bell Output



How to connect the BR-100 to an E Series HandReader for...

Lock Output



Wiring Examples

A WARNING: These are generic examples. Please follow the wiring guidelines provided by the manufacturer of the lock.

Fail Safe Lock: The fail-safe lock guarantees access if power fails. The lock requires power to stay locked; during a power failure, access is granted.



Fail Secure Lock: The fail-secure lock guarantees security if power fails. The lock requires power to unlock; during a power failure, access is denied.



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