

KOSAIR 2004

CONFIGURATION IBIS R+

IBIS-VERSION 3.65

THIS DOCUMENTATION CONTAINS THE CONFIGURATION OF
PROTRONIC 550 CONTROLLER:

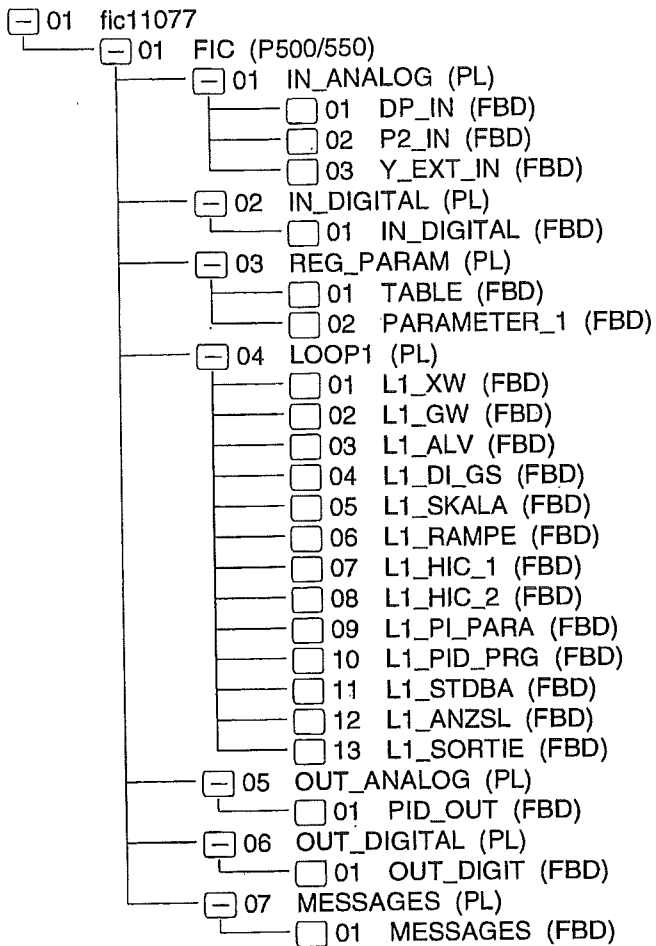
FIC 11077 (ANTISURGE CONTROL KOSAIR)

CONTROLLER VERSION 1.206 M
LIBRARY 3.3.6

 AIR LIQUIDE TM				
N° D'AFFAIRE JOB NUMBER	FMT FMT	GROUPE GROUP	N° NBR	Rev Rev
KOSICE 50-3023-01	A4	611		

Rev.	Changed	Date	Checked	Date	Change no.	Change description
	Rindlisbacher H	14.07.2005				
Issued	Date	Checked	Date	Released	Date	
Type/Size: RIK 80				Project no.: N.7100175		
Description: CONFIGURATION IBIS R+				Project: KOSAIR 2004		
Document: 837019325		Type: SPE	Part: 000	Rev.:	Lang.: EN	Page 0 of 27

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☐ 02 Pool

				Date		N.7100175	Basic Program		Customer	
				Process		KDSAIR 2005	U:/Protronic/Programs/Sc		Z. No.	
				Checke			safr		ABB No.	ABB
						Orig. 29.04.2005	Rep.f.		Item	Z. No.
							Rep.by			P.

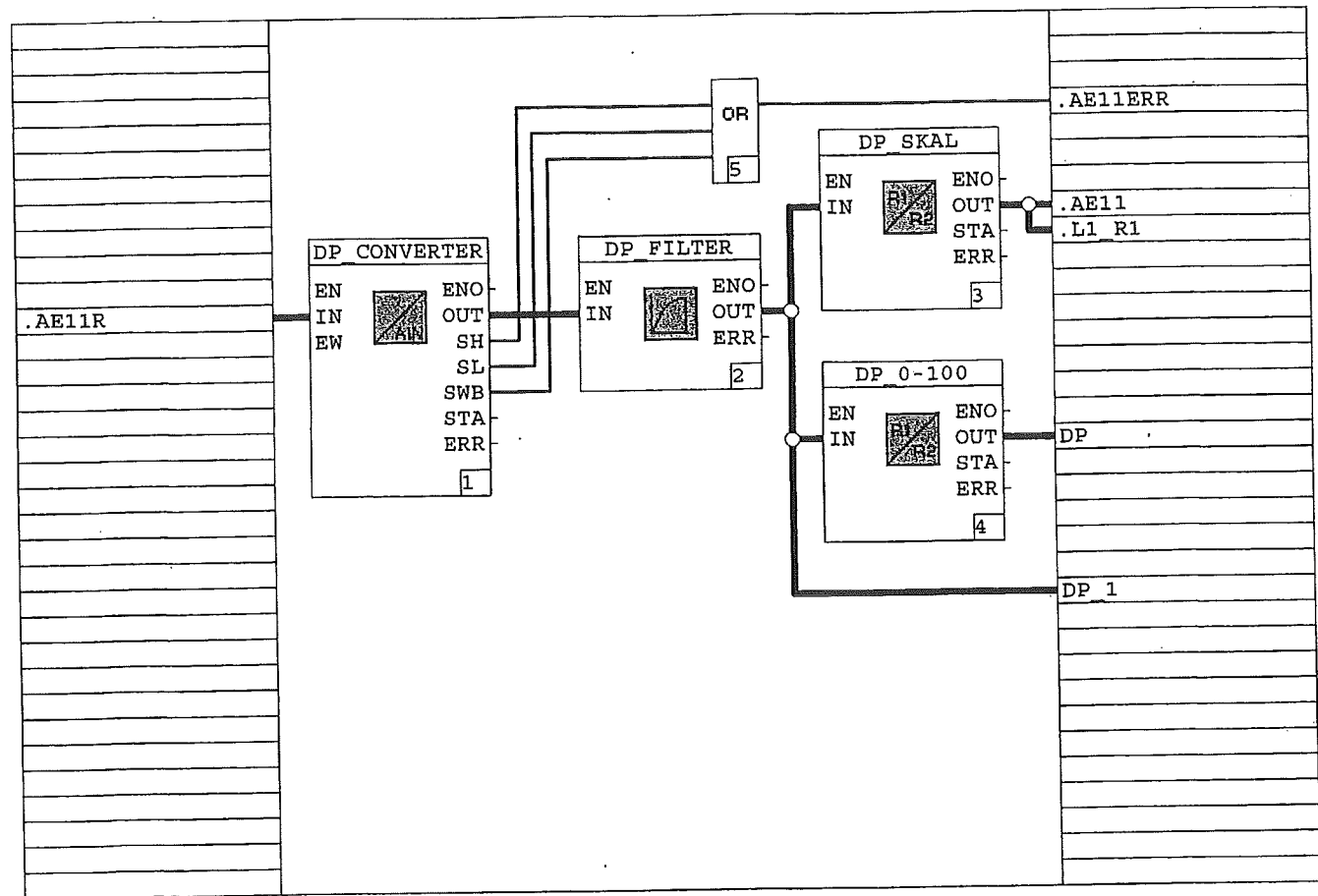
AN TURBO AG

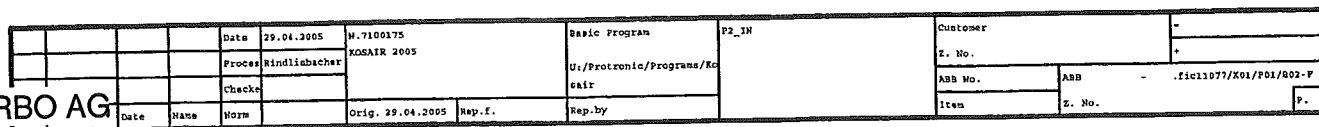
Claudia Patrino RRM4 SPE 837019325 000 00 18.07.2005

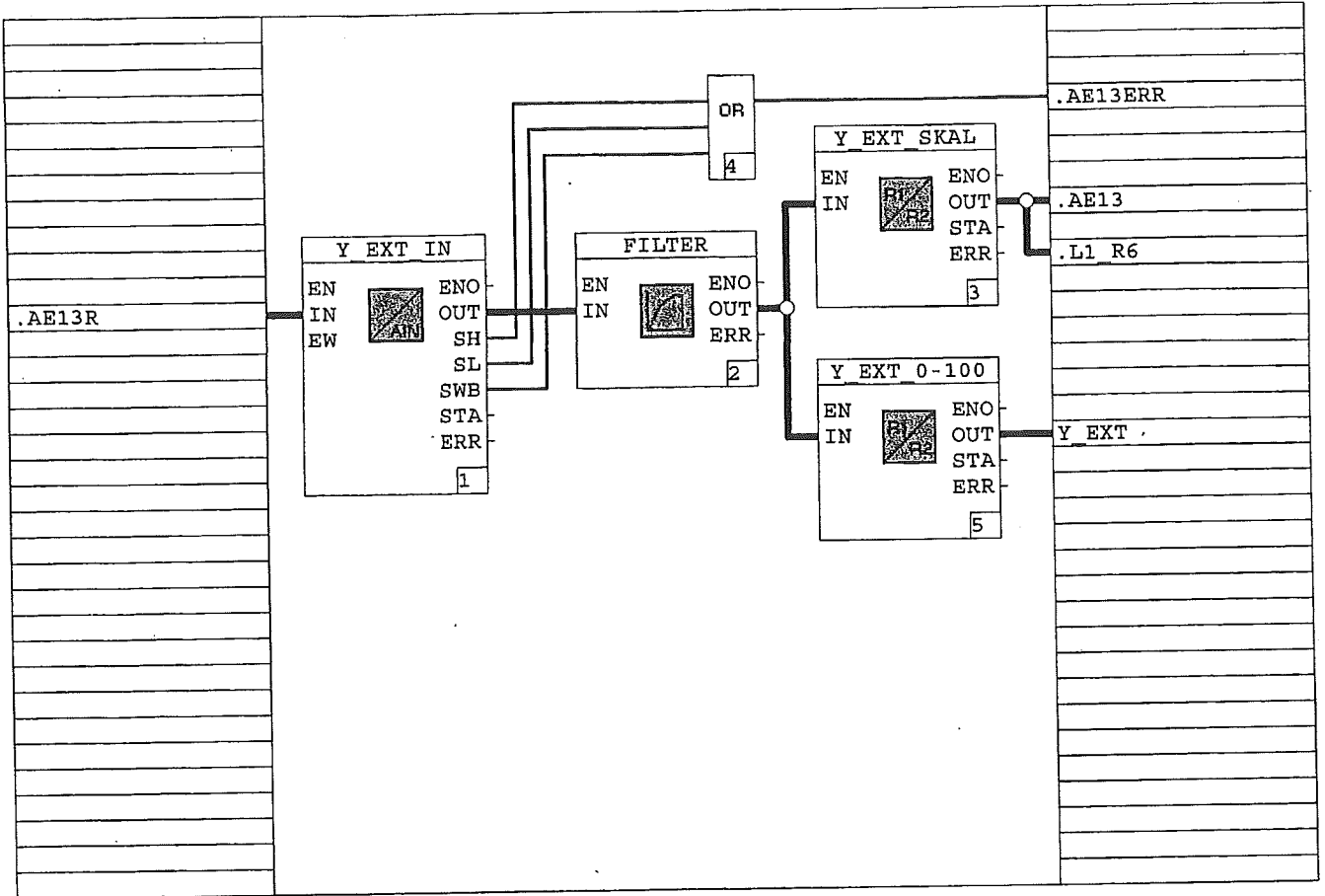
List of programmes documented below :

Design number	Typ	Designation
- .fic11077/X01/P01/B01-F	FBD	Read differential pressure tra
- .fic11077/X01/P01/B02-F	FBD	Read pressure transmitter
- .fic11077/X01/P01/B03-F	FBD	Input external manual loading
- .fic11077/X01/P02/B01-F	FBD	Read digital inputs
- .fic11077/X01/P03/B01-F	FBD	Table with line of interventio
- .fic11077/X01/P03/B02-F	FBD	Read parameters of regulation
- .fic11077/X01/P04/B01-F	FBD	Calculation of deviation from
- .fic11077/X01/P04/B02-F	FBD	Limits for intervention line s
- .fic11077/X01/P04/B03-F	FBD	Response line shift
- .fic11077/X01/P04/B04-F	FBD	Dynamic Intervention with sel
- .fic11077/X01/P04/B05-F	FBD	Scaling for analogue display
- .fic11077/X01/P04/B06-F	FBD	Ramp for automatic charge/disc
- .fic11077/X01/P04/B07-F	FBD	manual control
- .fic11077/X01/P04/B08-F	FBD	Limitation of manual control a
- .fic11077/X01/P04/B09-F	FBD	Size of parameters Kp, Tn, Tv
- .fic11077/X01/P04/B10-F	FBD	Module PID controller
- .fic11077/X01/P04/B11-F	FBD	Switch mode of operation
- .fic11077/X01/P04/B12-F	FBD	Indication loops
- .fic11077/X01/P04/B13-F	FBD	Minimum selection of the contr
- .fic11077/X01/P05/B01-F	FBD	Controller analogue output
- .fic11077/X01/P06/B01-F	FBD	Out digital
- .fic11077/X01/P07/B01-F	FBD	Alarm text on controller displ

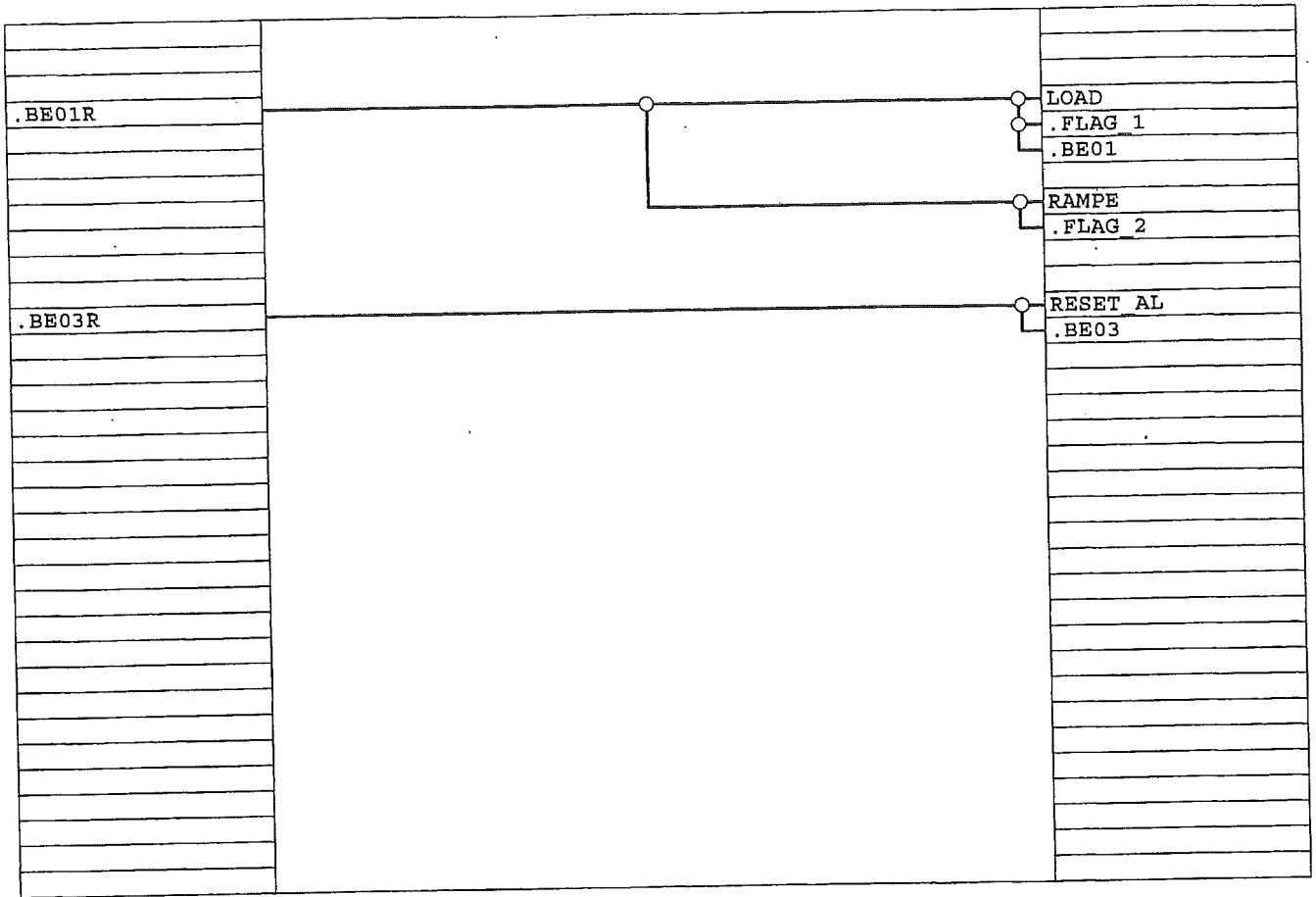
Date	29.04.2005	W.7100173	Basic Program	DP_IN	Customer	
Process	Rindllobacher	KOSAIR 2005	U:/Protokoll/Program/Ko		Z. No.	*
Checke			air		ABB No.	ABB - .fic11077/X01/E01/901-F
Orig.	29.04.2005	Rep.f.	Rep.by		Icon	Z. No.



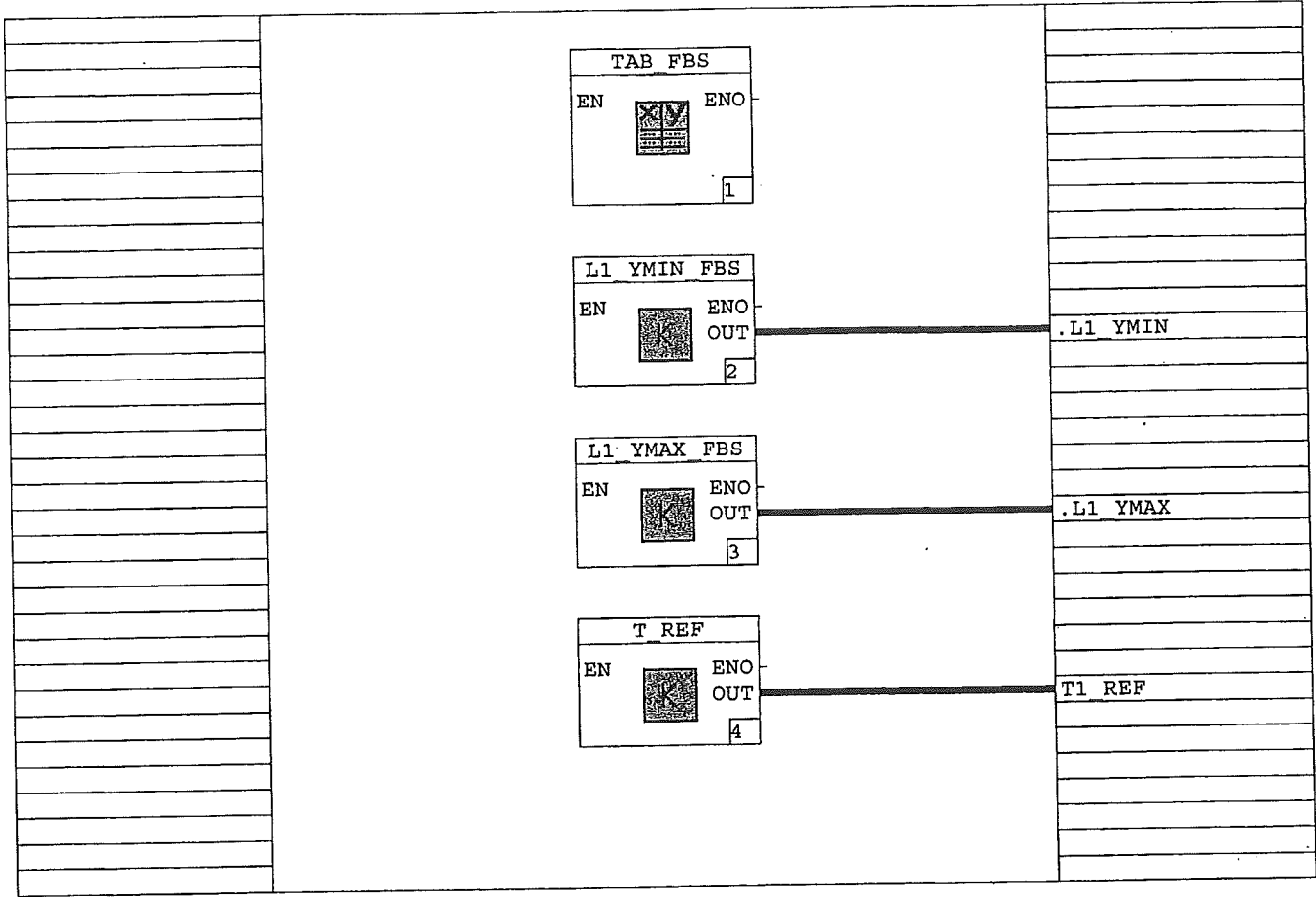




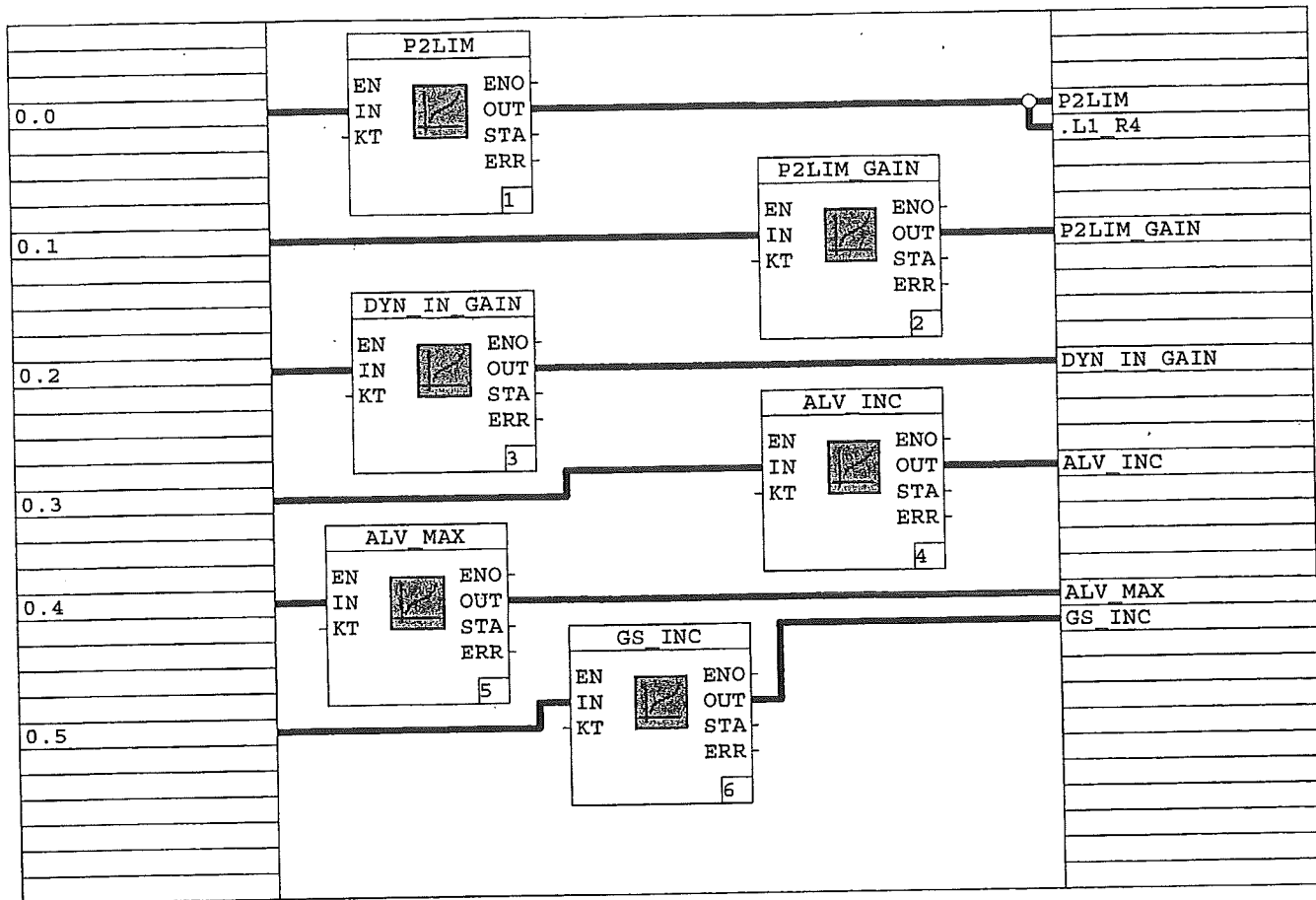
				Date	29.04.2005	N.7100175	Basic Program	Y_EXT_IN	Customer	*
				Proces	Hindliebacher	KDSAIR 2005	U./Prozronic/Programs/Ku		Z. No.	*
				checke			saiz		ABB No.	ABB - .fic11077/X01/P01/B03-P
									Item	Z. No.
										P.



				Date	29.04.2005	N.7100175	Basic Program	DI_KOT	Customer	
				Procure	Rindlischacher	KOSAIR 2005	U./Protonic/Program/Ko		Z. No.	
				Checke			saif		ABB Mo.	ABB - .f1c11077/X01/P02/B01-7
									Item	Z. No.
				Date	29.04.2005	Orig.	Rep.f.	Rep.by		P. 5



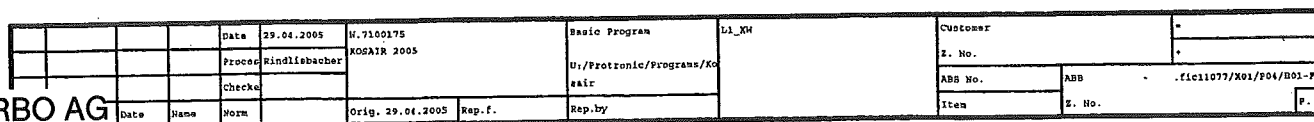
				Date	29.04.2005	N. 7160175	Basic Program	TABLE	Customer	
				Process	Hindlisbacher	KOSAIR 2005	U./protronic/Programa/Ko		Z. No.	
				Checke			saiz		ABB No.	
									Item	
				Date	29.04.2005	Rep.f.	Rep.by		Z. No.	

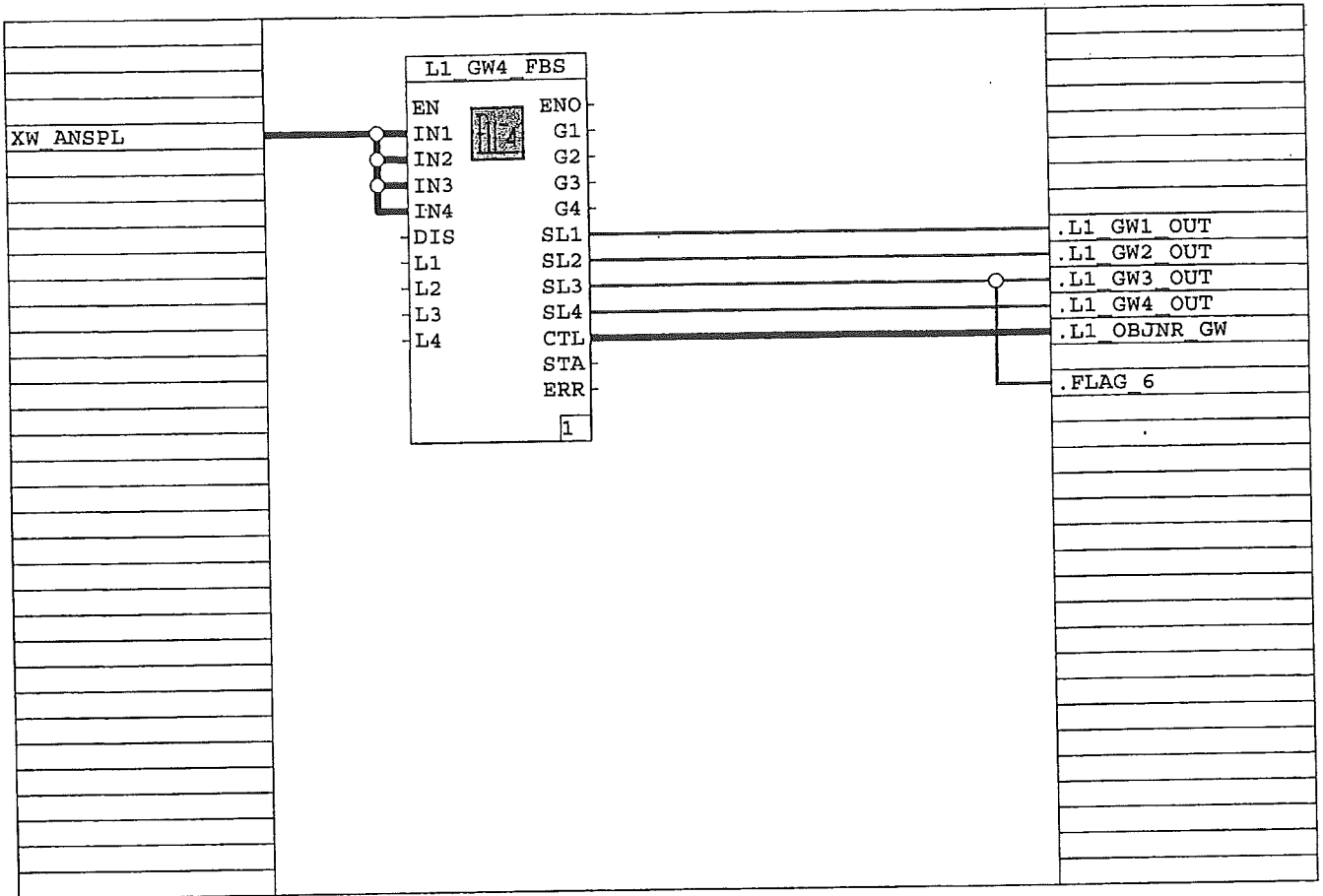


Date	26.01.04	H.7180375	Basic Program	PARAMETER_1	Customer	*
Proced	J. Malas	KOSAIK 2005	U./Protzonic/Programs/Ko		Z. No.	*
Checke			mail		ABB No.	ABB - .file11077/X01/P03/802-F
Date	28.04.2005	Rep.f.	Rep.by		Item	Z. No.

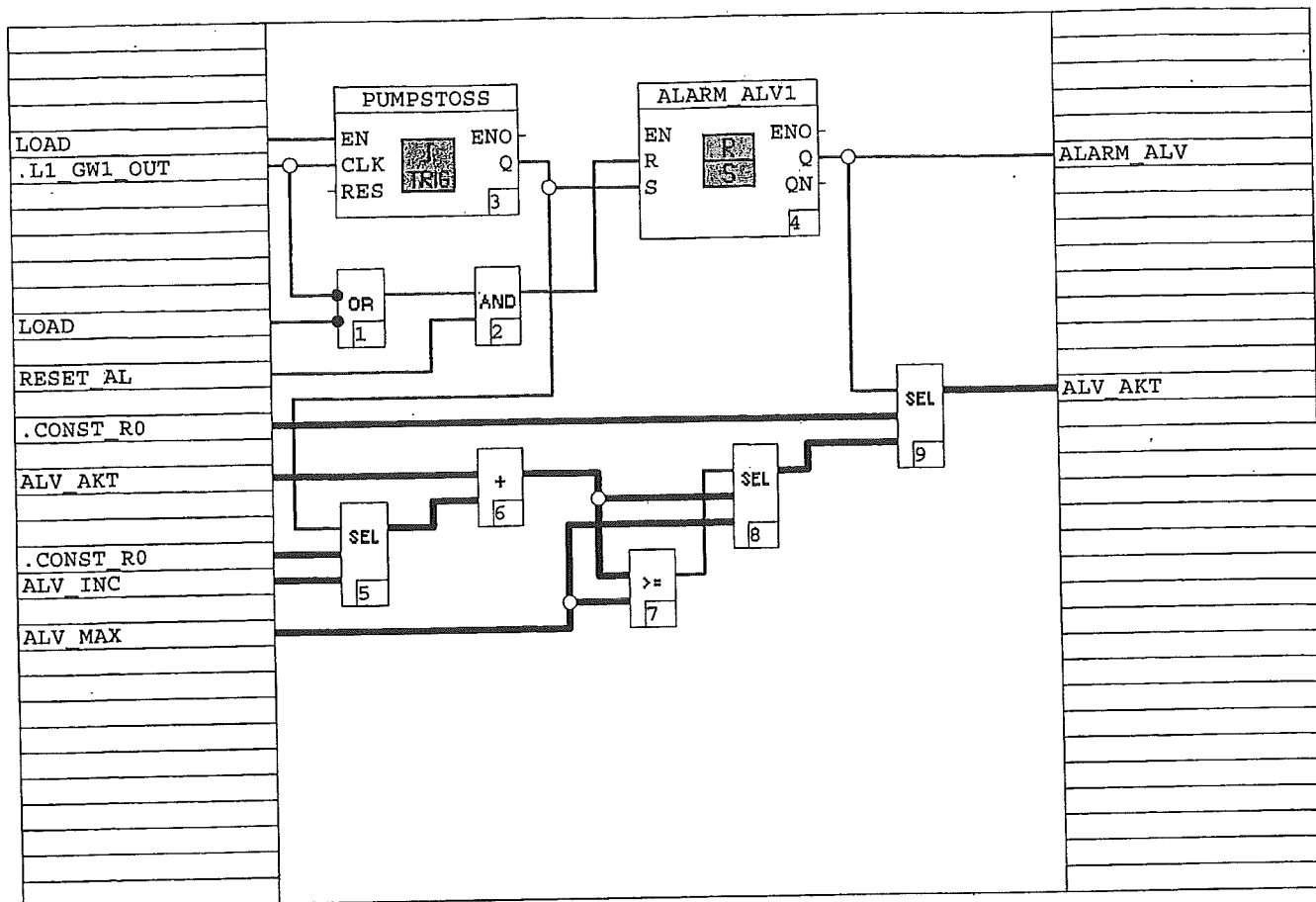
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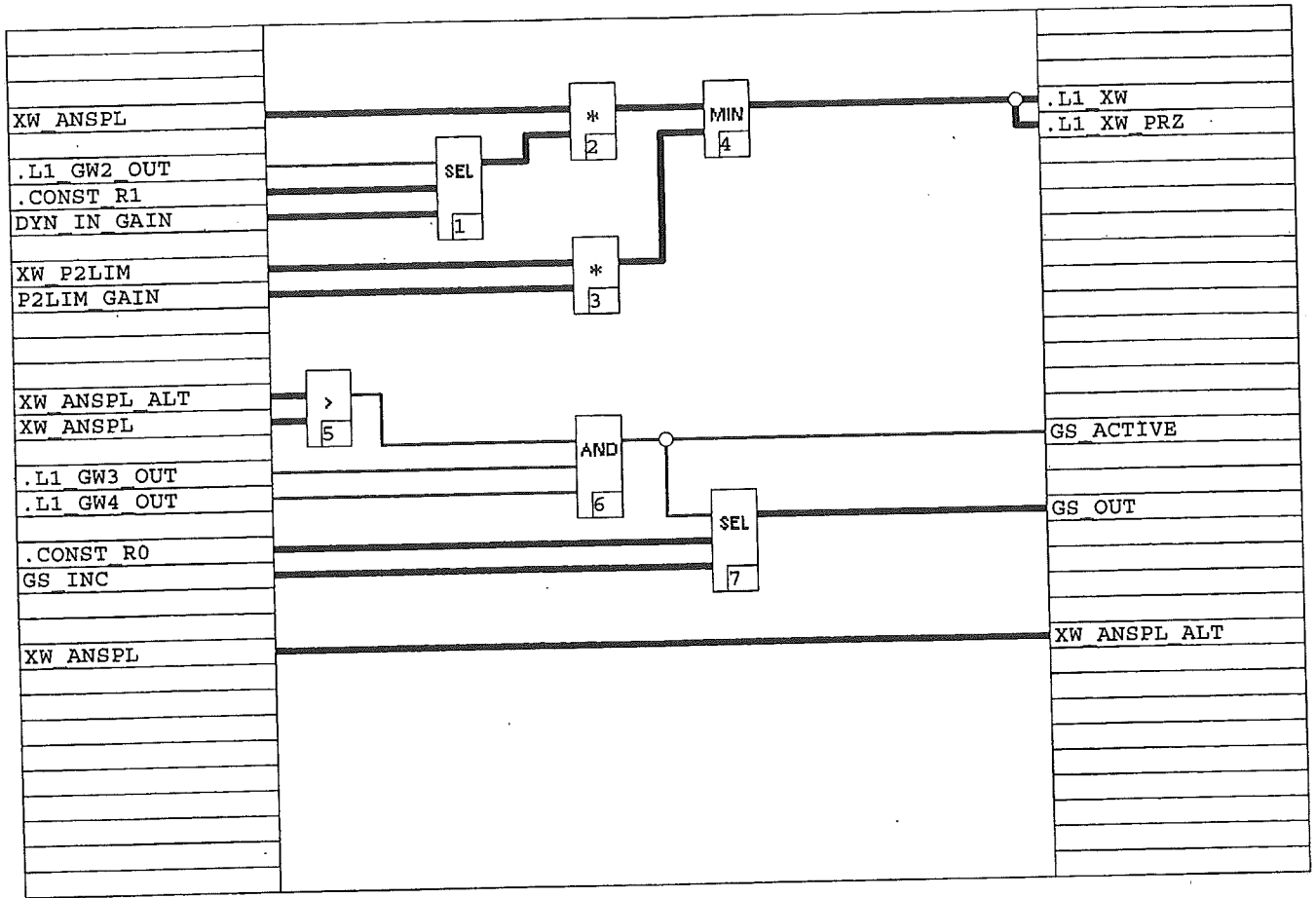


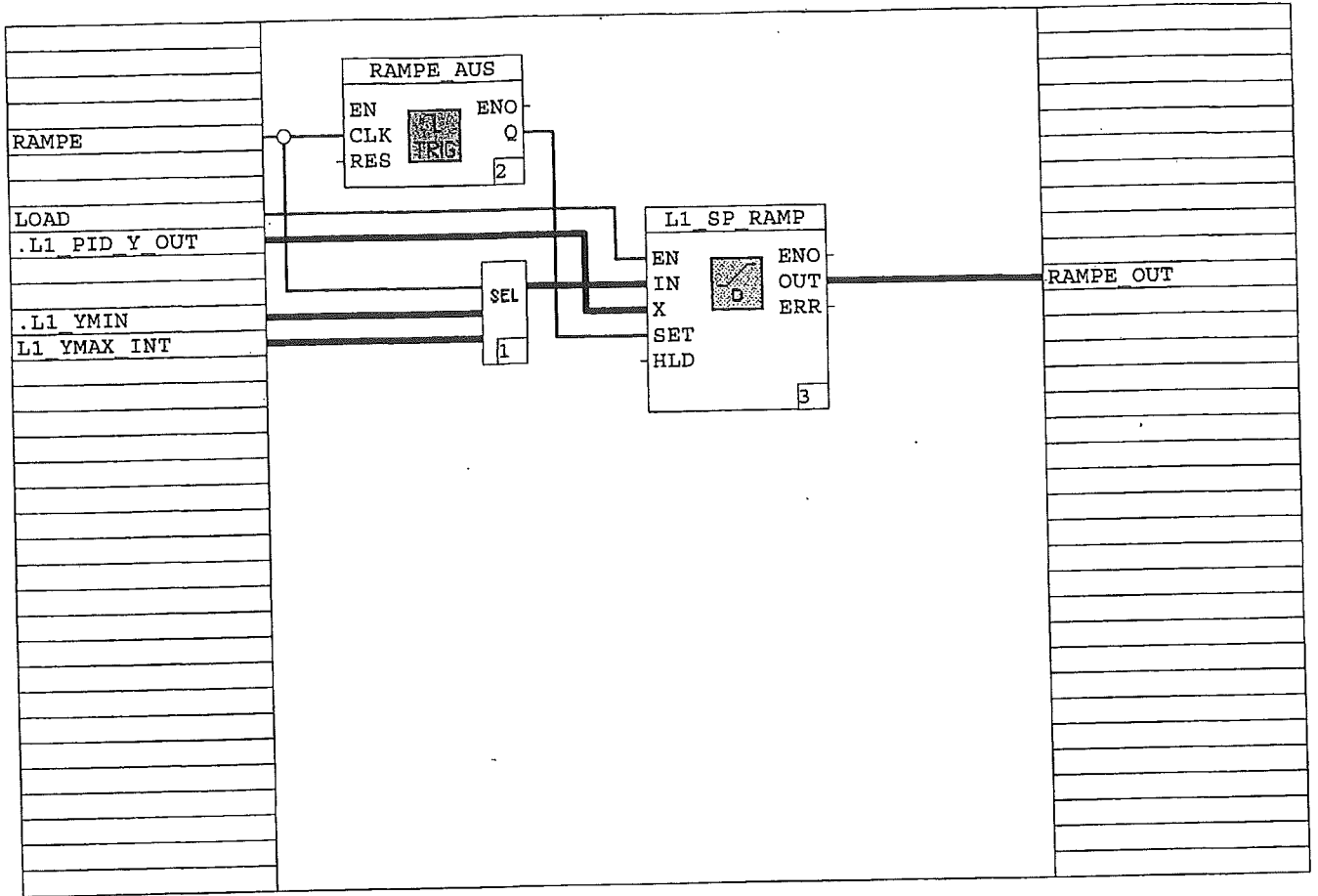


				Date	29.04.2005	N.7100175	Basic Program	L1_GW	Customer	*
				Process	Rindljsbacher	KOSAIR 2005	U:/protonic/programs/Ko		I. Mo.	
				Checke			air		ABB No.	ABB - .fic11077/X01/P04/802-7
									Item	S. Mp.
				Orig.	29.04.2005	Rep.f.	Rep.by			P.

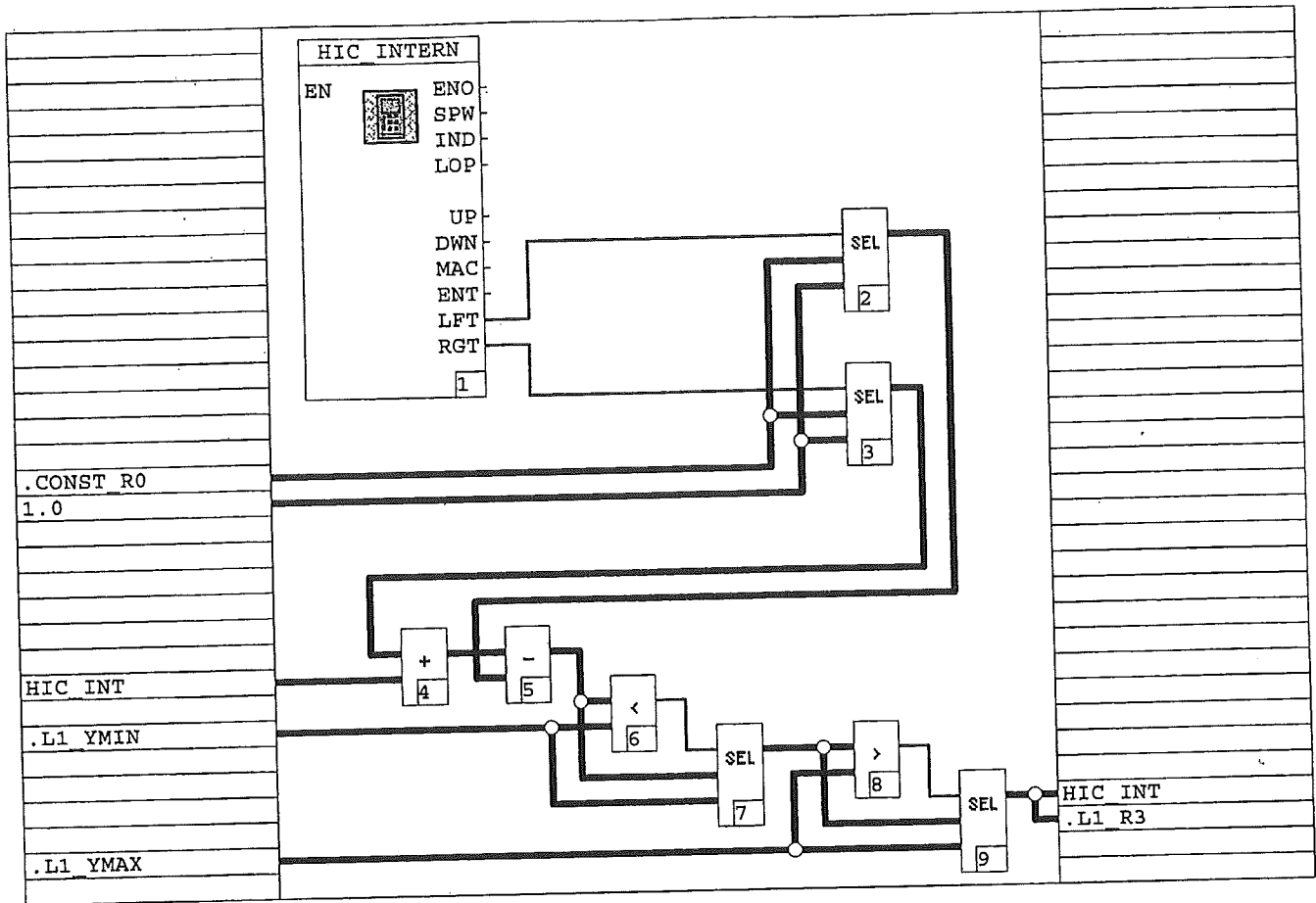


			Date	29.04.2005	N.7100175	Basic Program	L3_ALV	Customer		
					KOBATR 2005			Z. No.		
			Process	Kindisbacher		U1/Prottronic/Programs/Ex		ARB No.		
			Checked			sair		ARB - .fic11077/X01/F04/B03-P		
								Item		
			Date	Name	Worn	Orig. 29.04.2005	Rep. f.	Rep. by	Z. No.	

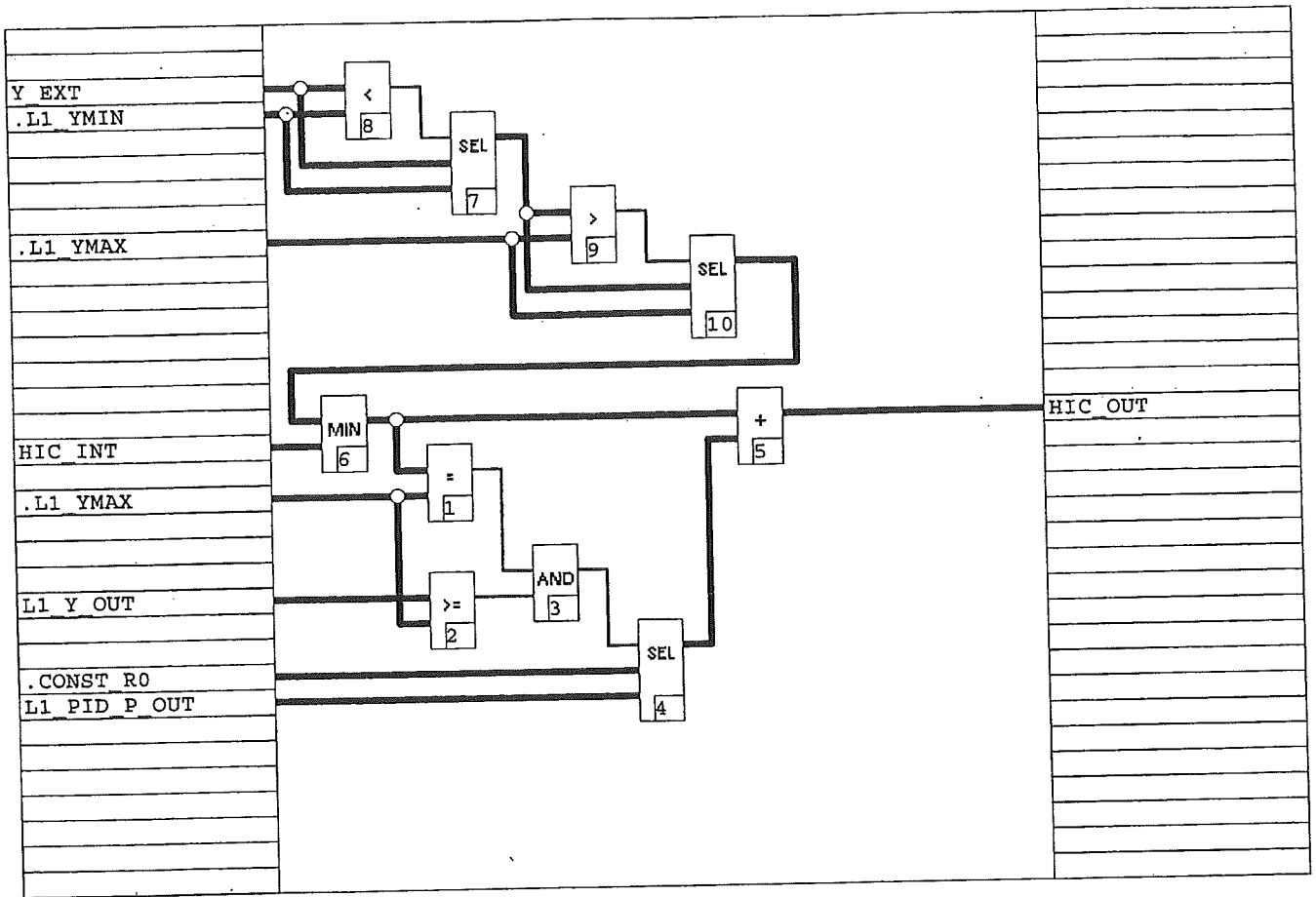




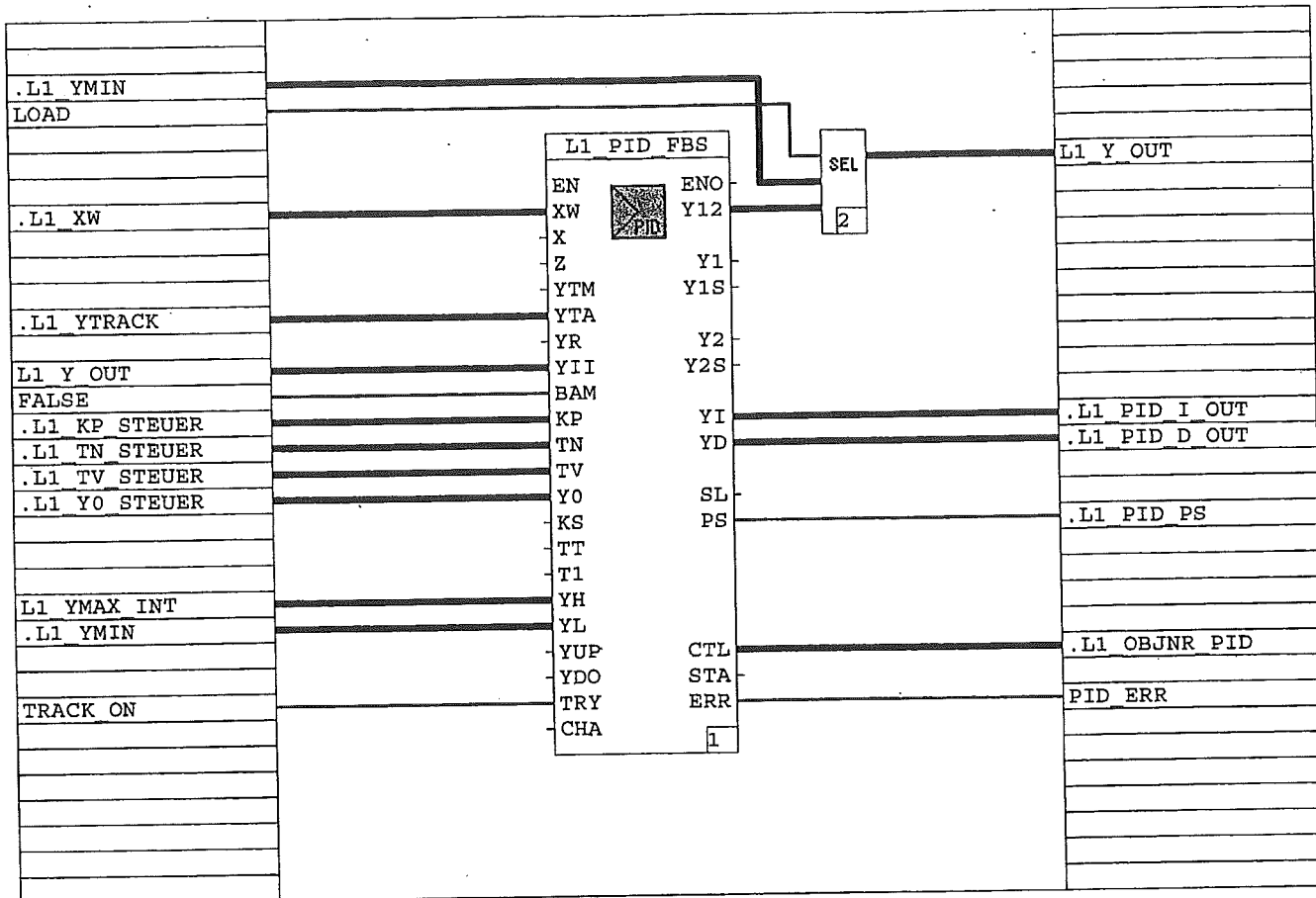
			Date	29.04.2005	N.7100175	Basic Program	L1_RAMPE	Customer	*
			Proces	Rindliebacher	KOSATK 2005	U:/Protronik/Programs/Ko		Z. No.	*
			Checke			SAIT		ABB No.	ABB - .fic11077/X01/P04/806-F
					Orig. 29.04.2005	Rep.f.	Rep.by	Item	Z. No.
AN TURBO AG									
	Date	Name	Norm						P. 1*



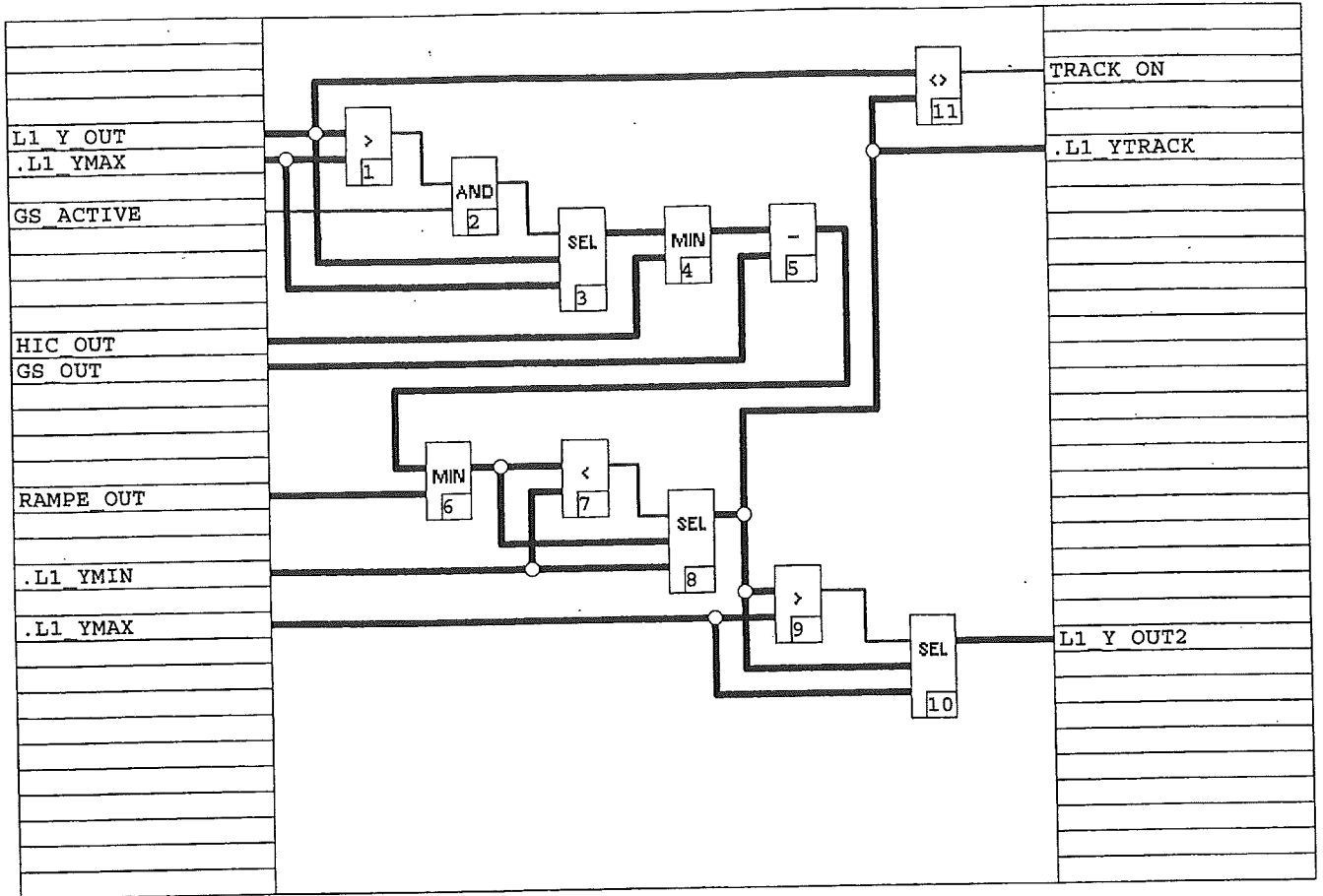
			Date	29.04.2005	N.7100175	Basic Program	L1_NIC_1	Customer	*
			Process	Rindlisbacher	XOSAIR 2005	U./Prottronic/Programs/Xo		Z. No.	*
			Checked			sair		ABB No.	.fic11077/X01/P04/807-P
								Item	Z. No.
									P. 1.



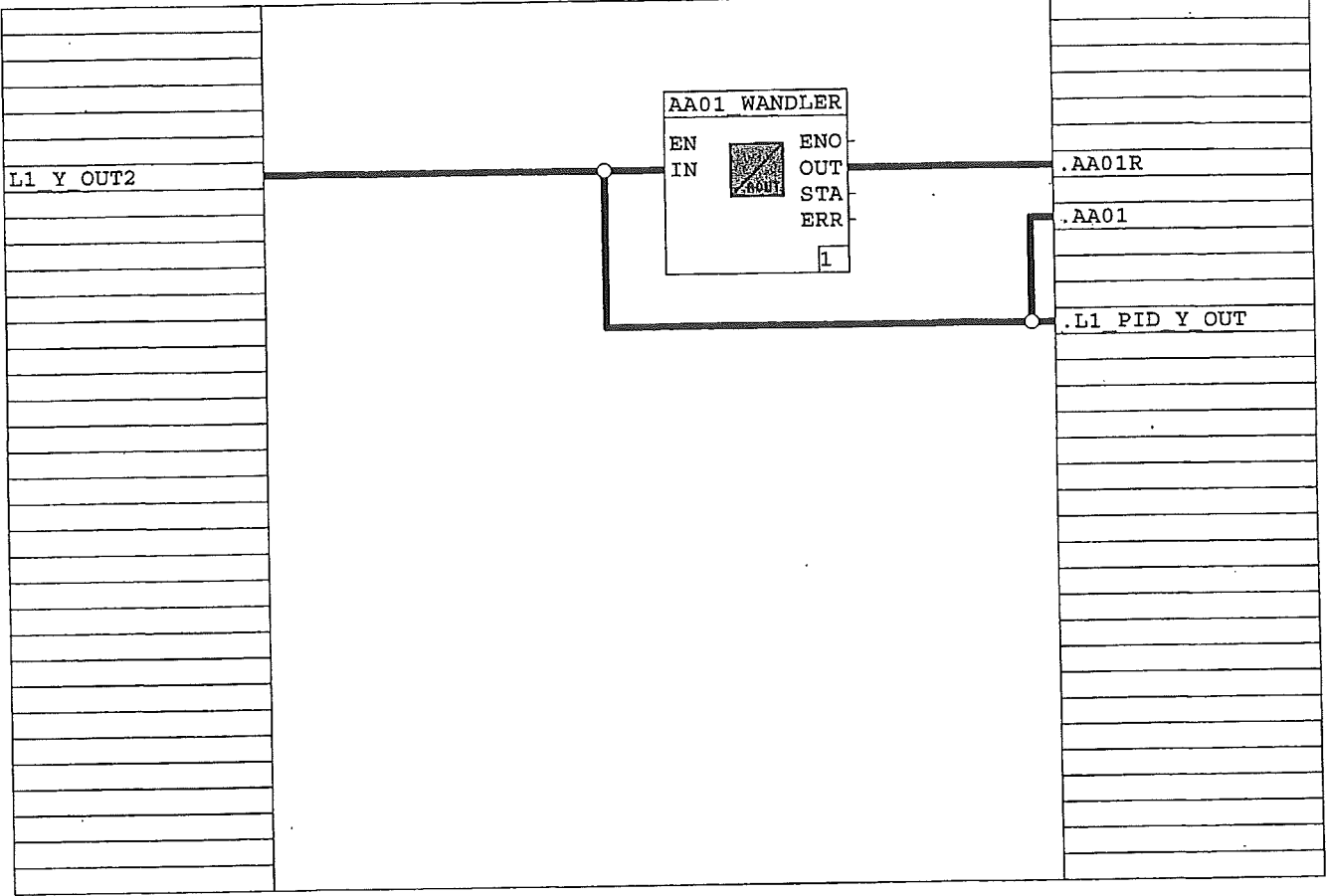
AN TURBO AG		Date	29.04.2005	M.7100175	Basic Program	Li_NIC_2	Customer		
		Process	Rindilebacher	KOSAIR 2005	U./Prottronic/Programs/Ko		Z. No.		
		Checke		Orig. 29.04.2005	Rep.f.	Rep.by	ABB Mo.	ABB	.fsc13077/X01/004/008-F
		Norm					Item	Z. No.	P. 1



Date	29.04.2005	Nr.	7100375	Basic Program	L1_PID_PRO	Customer	*
Process	Rindliebacher		KOSAIR 2005	U./Protronic/Programs/Ko		Z. No.	*
Checke				air		ABB No.	ABB - .fic11077/X01/P04/B10-P
Date	29.04.2005	Rep.f.		Rep.by		Items	Z. No.



			Date	29.04.2005	N. 7100175	Basic Program	Id. GORTIE	Customer	*
			Process	Windisbacher	XOSAIR 2005	U:/protrotron/Programs/Xc		Z. No.	*
			Check			SAIR		ABB No.	ABB - .fic11077/X01/P04/B13-F
			Date		Orig. 29.01.2005	Rep.f.	Rep.by	Item	Z. No.
			Name						P.
			Norm						

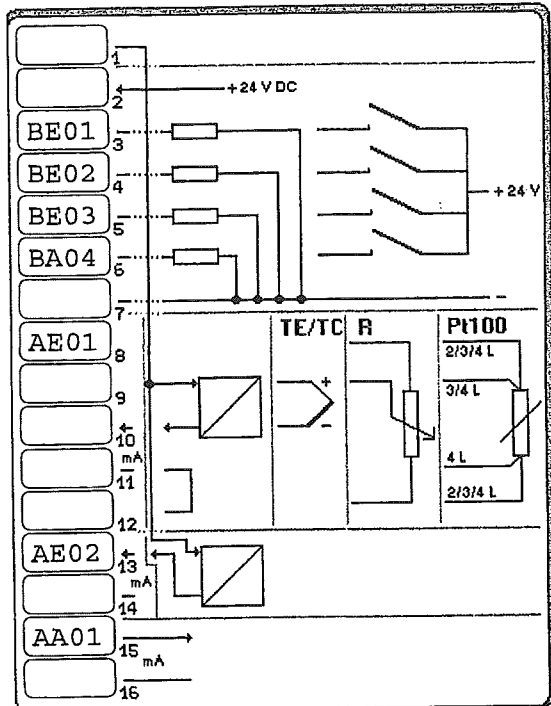


				Date	29.04.2005	N.7100175	Basic Program	PID_OUT	Customer	*
				Process	Handisbacher	KOSAIR 2005	U./Protronio/Programs/Ko		S. No.	*
				checke			saiz		ABB No.	ABB
										.fic11077/X01/P05/B01-7
									Item	S. No.
										P. 2

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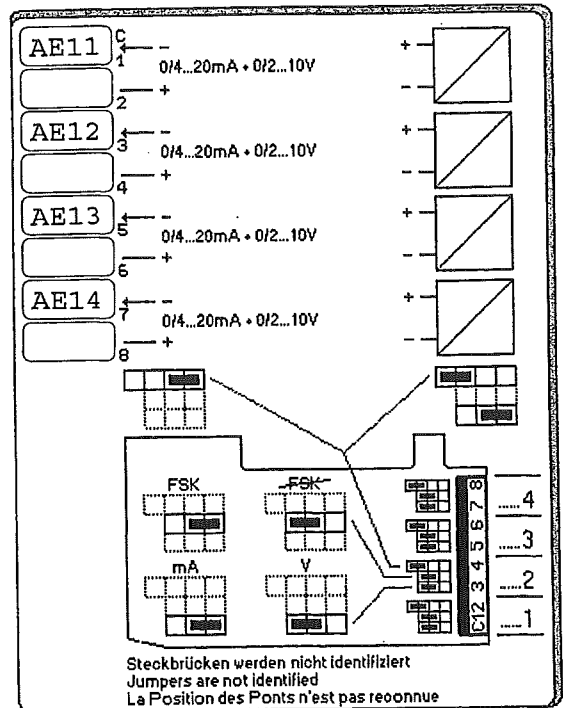
Claudia Patruno RRM4 SPE 837019325 000 00 18.07.2005

Standard instrument:



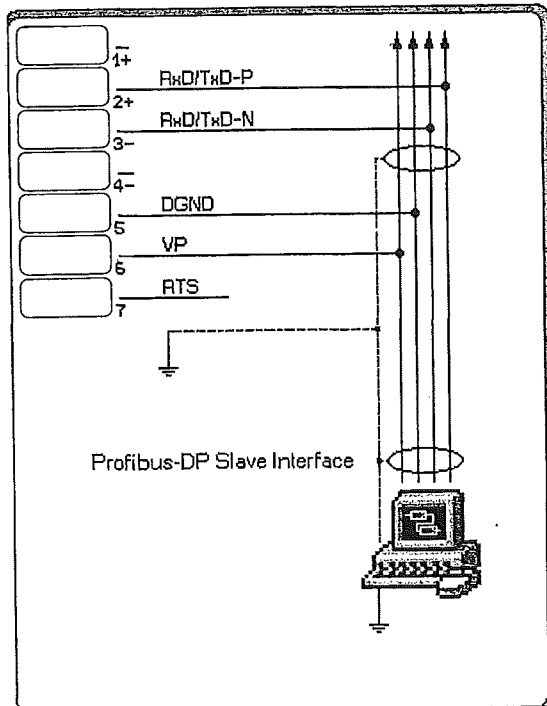
Module slot 1:

AI 4 * mA with TPS



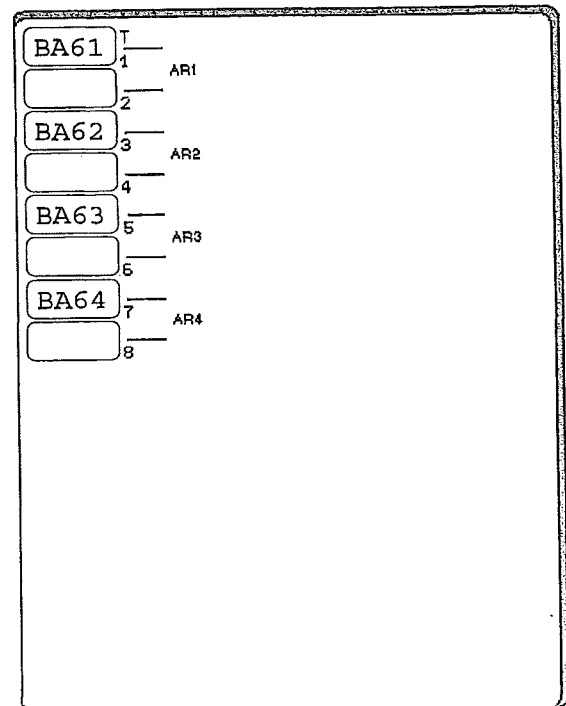
Module slot 5:

Profibus-DP Slave



Module slot 6:

BO 4 * relay



Device configuration

Languages

B01-Q01: Language: 2 - English

Binary inputs

B02-Q01: Lock-out, confi & param. menus: 0 - # not by BI

B02-Q02: Block all control actions: 0 - # not by BI

B02-Q03: Alarm acknowledgement: 0 - # not by BI

B02-Q04: Locking Menu-Key: 0 - # not by BI

Remote control

B04-Q01: Remote control: 1 - # LOCAL only

Alarm management

B10-Q01: Text/Alarm display: 1 - on the front panel

B10-Q02: Acknowledgement: 0 - # none

Set Module type

B12-Q01: Slot 1: 25 - Analoginput 4*mA+SUP

B12-Q02: Slot 2: 0 - # unoccupied

B12-Q03: Slot 3: 0 - # unoccupied

B12-Q04: Slot 4: 0 - # unoccupied

B12-Q05: Slot 5: 4 - Profibus DP Slave module

B12-Q06: Slot 6: 70 - Relay 4-fold

B12-Q07: Slot 7: 0 - # unoccupied

Password

B20-Q01: Password: 2 - on + 30 sec.

B20-P02: Password: 2004

Communication

B30-P01: Modbus-Address: 1

B30-Q02: Baud rate: 9 - 57600

B30-Q03: Protocol: 2 - # Modbus RTU

B30-Q04: Parity: 2 - # even

B30-Q05: Time out: 1 - # 1 sec.

B30-P06: Profibus-DP-Slave address: 1

B30-Q07: Default_CFG_I: 0 - # not used

B30-Q08: Default_CFG_O: 0 - # not used

B30-Q09: Time out for: 2 - Profibus

Configuration loop 1

Control function

B01-Q01: Control function: 1 - # Single loop controller

B01-Q04: Position feedback signal: 0 - # none

B01-Q05: Selftune: 0 - # off

Setpoints

B05-Q09: Setpoint display: 1 - # Target setpoint

Display

B06-Q01: Time period in trend window: 1 - # 75 seconds

Configuration loop 2

Control function

B01-Q01: Control function: 0 - # unused

B01-Q04: Position feedback signal: 0 - # none

B01-Q05: Selftune: 0 - # off

Configure AI

Analog input 01

B01-Q01: Signal type: 2 - # 4..20mA

Analog input 02

B02-Q01: Signal type: 2 - # 4..20mA

				Date	02.06.04	N.7100175	Basic Program	Configuration list	Customer	
				Process	J. Walms	KOSAIR 2005	Us/Electronic/Programs/Ko		Z. No.	
				Checks			hair		ABB No.	ABB
				Date	Orig. 29.04.2005	Rep.f.	Rep.by		Item	Z. No.

Analog input 11
 B11-Q01: Signal type: 2 - 4..20mA
 B11-Q15: Frequency input: 4 - # DIN 19240 pos.

Analog input 12
 B12-Q01: Signal type: 2 - 4..20mA
 B12-Q15: Frequency input: 4 - # DIN 19240 pos.

Analog input 13
 B13-Q01: Signal type: 2 - 4..20mA
 B13-Q15: Frequency input: 4 - # DIN 19240 pos.

Analog input 14
 B14-Q01: Signal type: 2 - 4..20mA
 B14-Q15: Frequency input: 4 - # DIN 19240 pos.

Configure AO

Analog output 01
 B01-Q01: Signal type: 2 - # 4..20mA

Configure binary I/O

binary-input/output 01
 B01-Q01: Signal type: 1 - # Binary input, control action, direct

binary-input/output 02
 B02-Q01: Signal type: 1 - # Binary input, control action, direct

binary-input/output 03
 B03-Q01: Signal type: 1 - # Binary input, control action, direct

binary-input/output 04
 B04-Q01: Signal type: 3 - Binary output, normally open (0)

binary-input/output 61
 B61-Q01: Signal type: 3 - Binary output, normally open (0)

binary-input/output 62
 B62-Q01: Signal type: 3 - Binary output, normally open (0)

binary-input/output 63
 B63-Q01: Signal type: 3 - Binary output, normally open (0)

binary-input/output 64
 B64-Q01: Signal type: 3 - Binary output, normally open (0)

Online parameter loop 1

Selftune
 P125: Max output bump: 5.0
 P126: Max bump duration: T#00h00m15s
 P127: Max +PV bump: 99999.0
 P128: Max -PV bump: 99999.0

Tag name
 P199: Tag name: FIC 11077

			Date	02.06.04	N.7100175	Basic Program	Configuration list	Customer	*
			Procedo	J. Walas	XOSAIR 2005	U./Protronic/Programs/Kc		Z. No.	*
			Checke			ssir		ABB No.	ABB
			Date	Name	Norm	Orig. 29.04.2005	Rep.f.	Rep.by	Item
									Z. No.