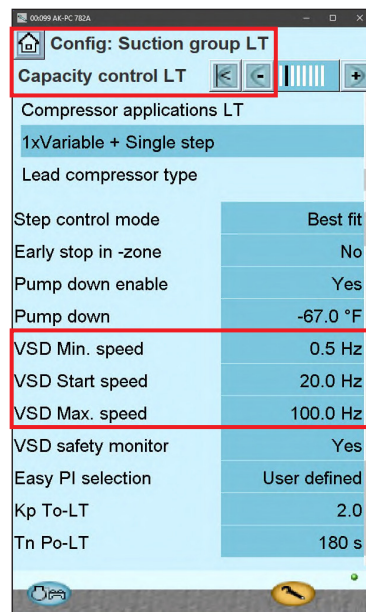


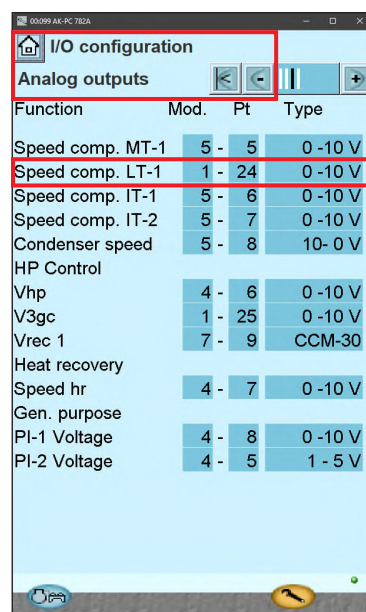
Programming Guide

AK-PC 78xA IDCM programming

LT IDCM Compressor Setup



IDCM Compressor AO Setup



'Speed comp. LT-1 AO' is wired directly to 'PI-2 in voltage' AI created in next step.

Module and point numbers used as example only.

LT IDCM Compressor Gen Purpose PI Controller Setup

Config: General PI 2

Show on overview

No

Quick settings

Simple P

PI name

LT IDCM Capacity

Control mode

Auto

Control type

P

External DI ctrl.

No

Input type select

Voltage

Input ref. select

Fixed ref.

Setpoint

1.2 %

Input

Reference

Output type select

Voltage

Alarm mode

OFF

Show advanced settings

Yes

Kp

10.2

Ref. filter time

0 s

Max. error

100.0

Min. control output

11 %

Max. control output

100 %

Startup time

0 s

Startup output

11 %

Stop output

0 %

PI-2 used as example only.

← This creates 'PI-2 in voltage' AI.

PI-2 in voltage AI Setup

I/O configuration

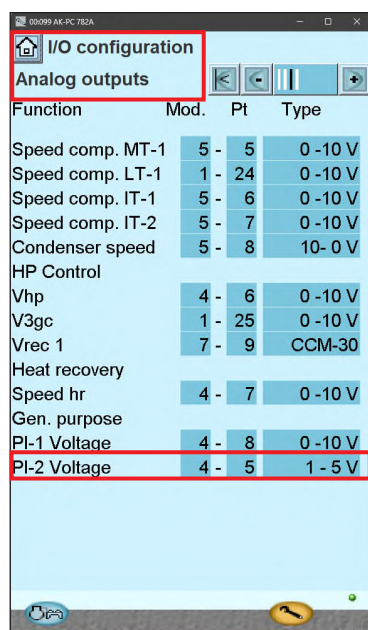
Analog inputs

Sensor	Mod.	Pt	Type
Po-MT suction ...	1	1	AKS2050-59
Ss-MT suction ...	1	2	Pt 1000
Sd-MT discharge	1	3	Pt 1000
Po-LT suction	6	5	AKS2050-59
Paux 1	3	3	AKS2050-159
Paux 2	3	5	AKS2050-159
Paux 3	3	6	AKS2050-159
PI-1 in temp.	0	0	Pt 1000
PI-2 in voltage	5	4	0 -10 V

Module and point numbers used as example only.

PI-2 used as example only.

PI-2 Analog Output Setup



Function	Mod.	Pt	Type
Speed comp. MT-1	5 -	5	0 -10 V
Speed comp. LT-1	1 -	24	0 -10 V
Speed comp. IT-1	5 -	6	0 -10 V
Speed comp. IT-2	5 -	7	0 -10 V
Condenser speed	5 -	8	10- 0 V
HP Control			
Vhp	4 -	6	0 -10 V
V3gc	1 -	25	0 -10 V
Vrec 1	7 -	9	CCM-30
Heat recovery			
Speed hr	4 -	7	0 -10 V
Gen. purpose			
PI-1 Voltage	4 -	8	0 -10 V
PI-2 Voltage	4 -	5	1 - 5 V

IDCM programming complete.

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