



Flow Switch
Doppler Flow Switch

DATA SHEET NO.			REV.
DST-FSL-Z0042			00
SHEET	1	OF	1

NO.	DATE	REVISION	BY	CHK'D	PROC.	APPR.
00	2016/09/02	Issued for Construction	CSR	JAB		


Project:						
TAG NO:	FSL-Z0042	Serial No:		Loop Wiring Diagrams:	1-0103-AILD-Z004	
Asset No:		Spec No:		Line / Vessel Number:		
Description:	Doppler Flow Switch		P&ID:	1-0103-PPID-Z001	Line ID:	Size:
Purchase Order:		Vendor:		Manufacturer:	Greyline Instruments INC.	
Requisition Number:		Job Number:		Model:	DFS 5.1	

Fluid:	Water				
Fluid State:	Liquid				
PROCESS CONDITIONS	Process Data Case (Flow):	Minimum:	Normal (Operating):	Maximum (Full Scale):	Units:
	Flow:	0	0.675	0.75	m/s
	Pressure:	0		35	kPa
	Temperature:				
	Vapour Pressure:			Maximum Velocity:	
	Viscosity:			Conductivity:	
	Flange Rating:			SG / Density:	
	Flange Material:			Area Classification:	None
	Pipe Material:	PVC		Ambient Temperature:	0-35 °C
	Pipe End Connection:			Special Condition:	
Pipe Inner Diameter:			Material Build-Up:	N/A	

SENSOR	Probe Design:	Surface Mount Doppler		Temp Compensation:	N/A
	Material:			Process Condition:	
	Insertion Length:			Manufacturer:	Greyline Instruments INC.
	Switch Setpoint:	0.6	m/s	Model:	SE4
	Set Point Range:	0.6	to	0.675	m/s

TRANSMITTER	Location:	Main Floor Level	Switch Quantity:	1
	Enclosure Material:	Fiberglass	Relay Form:	C
	Enclosure:	Type NEMA4X	Rating:	5A
	Power Supply:	24Vdc Loop Power and 24V dc Power Input (4 Wire)	Load Type:	PLC Input
	Power Consumption:		Contacts Open on Flow:	Yes
	Conduit Size / Connection:	3/4" (21mm)	Manufacturer:	Greyline Instruments INC.
	Switch Type:	Relay-DPDT	Model:	DFS 5.1

NOTES	1.	

	Level Switch			DATA SHEET NO.		REV.	
	Float			DST-LSH-Z0003		00	
	NO.	DATE	REVISION	SHEET	1	OF	1
00	2016/09/02	Issued for Construction	BY	CSR	CHK'D	PROC.	APPR.

Project:								
TAG NO:	LSH-Z0003	Serial No:		Loop Wiring Diagrams:	1-0103-AILD-Z001			
Asset No:		Spec No:		Line / Vessel Number:				
Description:	Dry well float ball high level switch			P&ID:	1-0103-PPID-Z001	Line ID:	Size:	Schedule:
Purchase Order:				Manufacturer:	Flygt			
Requisition Number:				Model:	ENM-10 Level Regulator			
Vendor:								
Job Number:								


PROCESS CONDITIONS	Upper Fluid:	Effluent	Lower Fluid:		
	Dielectrical Connection:		Dielectrical Connection:		
	Process Data Case (Flow):	Minimum:	Normal (Operating):	Maximum (Full Scale):	Units:
	Pressure:	-	Atmosphere	-	-
	Temperature:	0	15	35	°C
	Design Pressure:			Vapor Pressure Pv:	
	Design Temperature:			Viscosity:	
	SG / Density:			Compressibility (Z):	
	Pipe Material:			Material Build-Up:	
				Special Condition:	

FLOAT	Probe Design:	Float	Inactive Length:	
	Application:	Wet well level	Fail Safe:	
	Function:	High level	Regulator Length:	
	Process Connection:		Cable Length:	30 meters
	Orientation:		Maximum Temperature:	
	Style:	Float ball	Approvals:	
	Material:	Polypropylene	Manufacturer:	Flygt
	Bending Relief:		Model:	ENM-10 Level Regulator
	Cable Material:	PVC or NBR/PVC Nitrile/PVC Rubber		

SWITCH	Type:	SPDT	Blow Out Protection:	
	Function:	High level	Pressure Element Material:	
	Switch Range:		Actuator Seal:	
	Switch Setpoint:	200 ¹	Connection Size:	
	Deadband:		Connection Location:	
	Power Supply:		Nominal Accuracy:	
	Power Wiring:	24Vdc	Manufacturer:	Flygt
	Case Material:		Model:	ENM-10 Level Regulator

OPTIONS	Compensation Cable:		Stainless Steel Tag:	
	Local Indicator:			

NOTES	1. Level switch to actuate when water level reaches 200mm AFF.

	Level Switch			DATA SHEET NO.		REV.	
				Float Ball		DST-LSH-Z0007	
	NO.	DATE	REVISION	SHEET	1	OF	1
	00	2016/09/02	Issued for Construction	BY	CSR	CHK'D	PROC.

Project:							
TAG NO:	LSH-Z0007	Serial No:		Loop Wiring Diagrams:	1-0103-AILD-Z001		
Asset No:		Spec No:		Line / Vessel Number:			
Description:	Wet well float ball high level switch.			P&ID:	1-0103-PPID-Z001	Line ID:	
				Size:		Schedule:	
				Manufacturer:	Flygt		
				Model:	ENM-10 Level Regulator		
Purchase Order:				Vendor:			
Requisition Number:				Job Number:			

PROCESS CONDITIONS	Upper Fluid:		Lower Fluid:	
	Dielectrical Connection:		Dielectrical Connection:	
	Process Data Case (Flow):	Minimum:	Normal (Operating):	Maximum (Full Scale):
	Pressure:			Units:
	Temperature:			
	Design Pressure:		Vapor Pressure Pv:	
	Design Temperature:		Viscosity:	
	SG / Density:		Compressibility (Z):	
	Pipe Material:		Material Build-Up:	
			Special Condition:	

FLOAT	Probe Design:	Float	Inactive Length:	
	Application:	Wet well level	Fail Safe:	
	Function:	High level	Regulator Length:	
	Process Connection:		Cable Length:	30 meters
	Orientation:		Maximum Temperature:	
	Style:	Float ball	Approvals:	
	Material:	Polypropylene	Manufacturer:	Flygt
	Bending Relief:		Model:	ENM-10 Level Regulator
	Cable Material:	PVC or NBR/PVC Nitrile/PVC Rubber		

SWITCH	Type:	SPDT	Blow Out Protection:	
	Function:	High level	Pressure Element Material:	
	Switch Range:		Actuator Seal:	
	Switch Setpoint:	2 ¹	Connection Size:	
	Deadband:		Connection Location:	
	Power Supply:		Nominal Accuracy:	
	Power Wiring:	24Vdc	Manufacturer:	Flygt
	Case Material:		Model:	ENM-10 Level Regulator

OPTIONS	Compensation Cable:		Stainless Steel Tag:	
	Local Indicator:			

NOTES	1. Level switch to actuate when water level reaches 2.0 meters AFF.



Pressure Switch

DATA SHEET NO. REV.

DST-PDSH-Z6020 **00**

SHEET	1	OF	1
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NO.	DATE	REVISION	BY	CHK'D	PROC.	APPR.
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00	2016/09/02	Issued for Construction	CSR	JAB		
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Project:

TAG NO:

PDSH-Z6020

Serial No:

Spec No:

P&ID:

Line ID:

Model:

Loop Wiring Diagrams: 1-0103-AILD-Z601

Line / Vessel Number:

1-0103-PPID-Z601

Size: Schedule:

Manufacturer: Dwyer

1638

Purchase Order:

Vendor:

Requisition Number:

Job Number:

PROCESS CONDITIONS

Upper Fluid:	Lower Fluid:
Dielectrical Connection:	Dielectrical Connection:

Process Data Case (Flow):	Minimum:	Normal (Operating):	Maximum (Full Scale):	Units:
Flow:	0	240		L/s
Pressure:	0	13	15.25	mm WG
Temperature:				

Design Pressure:	Vapor Pressure Pv:
Design Temperature:	Viscosity:
SG / Density:	Compressibility (Z):
Pipe Rating:	Ambient Temperature:
Pipe Material:	Special Condition:

SWITCH

Type: SPDT	Blow Out Protection:
Function: High Differential	Pressure Element Material:
Switch Range: 0 to 25.4 mm WG	Actuator Seal:
Switch Setpoint: 15.25 Rising mm WG	Connection Size: 1/2" NPT
Deadband: 1.53 mm WG	Connection Location: Upstream and downstream of air filter
Power Supply: 24Vdc	Nominal Accuracy:
Power Wiring:	Manufacturer: Dwyer
Case Material:	Model: 1638

SEAL DIAPHRAGM


Diaphragm Material: Silicone Rubebr	Top Housing Material:
Size & Type:	Bottom Housing Material:
Process Connection: 1/8" NPT Female	Instrument Connection: Tubing
Flush Connection:	Temperature Rating:
Capillary Length:	Pressure Rating: 70 kPa
Capillary Fill Fluid:	Manufacturer: Dwyer
Capillary Material:	Model: 1638

OPTIONS

Syphon Type:	Snubber Type:
Syphon Material:	Snubber Material:
Fill Fluid:	Customer SS Tag:
Movement Damping:	Mounting Bracket:

NOTES

1.	

	Pressure Switch			DATA SHEET NO.		REV.
				DST-PSH-Z0050		00
	SHEET	1	OF	1		
	NO.	DATE	REVISION	BY	CHK'D	PROC.
00	2016/09/02	Issued for Construction	CSR	JAB		

Project:						
TAG NO:	PSH-Z0050	Serial No:			Loop Wiring Diagrams:	1-0103-AILD-Z002
Asset No:		Spec No:			Line / Vessel Number:	
Description:	Vacuum Pressure Switch			P&ID:	1-0103-PPID-Z001	Line ID:
Purchase Order:			Vendor:			
Requisition Number:			Job Number:			


PROCESS CONDITIONS	Upper Fluid:			Lower Fluid:		
	Dielectrical Connection:			Dielectrical Connection:		
	Process Data Case (Flow.):	Minimum:	Normal (Operating):	Maximum (Full Scale):	Units:	
	Flow:					
	Pressure:	-762	-508	0	mm Hg	
	Temperature:					
	Design Pressure:	-508	mm Hg	Vapor Pressure Pv:		
	Design Temperature:			Viscosity:		
	SG / Density:			Compressibility (Z):		
	Pipe Rating:			Ambient Temperature:	18	°C
Pipe Material:			Special Condition:			

SWITCH	Type:	SPDT		Blow Out Protection:		
	Function:	Vacuum Pressure		Pressure Element Material:		
	Switch Range:	-762	to	762	mm Hg	Actuator Seal:
	Switch Setpoint:	-254 Rising		mm Hg	Connection Size:	1/2" Tube
	Deadband:	7.6-17.8 mm Hg		Connection Location:	Vacuum pump suction	
	Power Supply:			Nominal Accuracy:		
	Power Wiring:	24Vdc		Manufacturer:	Ashcroft	
	Case Material:			Model:	B-Series Switch	

SEAL DIAPHRAGM	Diaphragm:			Top Housing Material:		
	Size & Type:			Bottom Housing Material:		
	Process Connection:	Tube		Instrument Connection:	Tube	
	Material:			Temperature Rating:		
	Flush Connection:			Pressure Rating:		
	Capillary Length:			Manufacturer:		
	Capillary Fill Fluid:			Model:		
	Capillary Material:					

OPTIONS	Syphon Type:			Snubber Type:		
	Syphon Material:			Snubber Material:		
	Fill Fluid:			Customer SS Tag:		
	Movement Damping:			Mounting Bracket:		

NOTES	1.					

	Pressure Switch			DATA SHEET NO.		REV.	
				DST-PSL-Z5030		00	
	NO.	DATE	REVISION	BY	CHK'D	PROC.	APPR.
	00	2016/09/02	Issued for Construction	CSR	JAB		

Project:						
TAG NO:	PSL-Z5030	Serial No:			Loop Wiring Diagrams:	1-0103-AILD-Z004
Asset No:		Spec No:			Line / Vessel Number:	
		P&ID:	1-0103-PPID-Z001		Line ID:	
Description:	Low Air Pressure Switch			Size:		Schedule:
				Manufacturer:	Ashcroft	
				Model:	B-Series	
Purchase Order:				Vendor:		
Requisition Number:				Job Number:		

PROCESS CONDITIONS	Upper Fluid:				Lower Fluid:		
	Dielectrical Connection:				Dielectrical Connection:		
	Process Data Case (Flow.):	Minimum:	Normal (Operating):	Maximum (Full Scale):	Units:		
	Flow:						
	Pressure:						
	Temperature:						
	Design Pressure:	414	kPa	Vapor Pressure Pv:			
	Design Temperature:				Viscosity:		
	SG / Density:				Compressibility (Z):		
	Pipe Rating:				Ambient Temperature:	18	°C
Pipe Material:				Special Condition:			

SWITCH	Type:	SPDT			Blow Out Protection:		
	Function:	Low Pressure			Pressure Element Material:		
	Switch Range:	0	to	414	kPa	Actuator Seal:	
	Switch Setpoint:	345			kPa	Connection Size:	3/8" Tube
	Deadband:	2-7 kPa			Connection Location:	Air Compressor Discharge	
	Power Supply:	24Vdc			Nominal Accuracy:		
	Power Wiring:				Manufacturer:	Ashcroft	
	Case Material:				Model:	B Series (B4 20 B XNH 150PSI)	

SEAL DIAPHRAGM	Diaphragm:	Buna-N			Top Housing Material:		
	Size & Type:				Bottom Housing Material:		
	Process Connection:	Tube			Instrument Connection:		
	Material:				Temperature Rating:		
	Flush Connection:				Pressure Rating:		
	Capillary Length:				Manufacturer:		
	Capillary Fill Fluid:				Model:		
	Capillary Material:						

OPTIONS	Syphon Type:				Snubber Type:		
	Syphon Material:				Snubber Material:		
	Fill Fluid:				Customer SS Tag:		
	Movement Damping:				Mounting Bracket:		

NOTES	1.						



Magnetic Switch

DATA SHEET NO.			REV.
DST-ZSC-Z9801-1			00
SHEET	1	OF	1

NO.	DATE	REVISION	BY	CHK'D	PROC.	APPR.
00	2016/09/02	Issued for Construction	CSR	JAB		

Project:						
TAG NO:	ZSC-Z9801-1	Serial No:		Loop Wiring Diagrams:	1-0103-AILD-Z005	
Asset No:		Spec No:		Line / Vessel Number:		
		P&ID:	1-0103-PPID-Z001	Line ID:	Size:	Schedule:
Description:	Surface Mount Door Status Switch			Manufacturer:	ASSA ABLOY	
				Model:	3285	
Purchase Order:				Vendor:		
Requisition Number:				Job Number:		

PROCESS CONDITIONS	Upper Fluid:			Lower Fluid:		
	Dielectrical Connection:			Dielectrical Connection:		
	Process Data Case (Flow):	Minimum:	Normal (Operating):	Maximum (Full Scale):	Units:	
	Flow:					
	Pressure:					
	Temperature:	0	8	35	°C	
	Design Pressure:			Vapor Pressure Pv:	Atmosphere	
	Design Temperature:			Viscosity:		
	SG / Density:			Compressibility (Z):		
	Pipe Rating:			Ambient Temperature:	0-35	°C
	Pipe Material:			Special Condition:		

SWITCH	Type:	SPST normally open switch			Blow Out Protection:	
	Function:	Door Closed Position			Pressure Element Material:	
	Switch Range:	On	to	Off	-	Actuator Seal:
	Switch Setpoint:	On	to	N/A	-	Connection Size:
	Deadband:	None			Connection Location:	Door Frame
	Power Supply:	24VDC			Nominal Accuracy:	
	Power Wiring:				Manufacturer:	ASSA ABLOY
	Case Material:				Model:	3285

OPTIONS	Syphon Type:		Snubber Type:	
	Syphon Material:		Snubber Material:	
	Fill Fluid:		Customer SS Tag:	
	Movement Damping:		Mounting Bracket:	

NOTES	1.	



Magnetic Switch

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DST-ZSC-Z9801-1			00
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NO.	DATE	REVISION	BY	CHK'D	PROC.	APPR.
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Project:			
TAG NO:	ZSC-Z9801-2	Serial No:	
Asset No:		Spec No:	
Description:	Surface Mount Door Status Switch	P&ID:	1-0103-PPID-Z001
Purchase Order:		Vendor:	
Requisition Number:		Job Number:	

Upper Fluid:		Lower Fluid:	
Dielectrical Connection:		Dielectrical Connection:	
Process Data Case (Flow):	Minimum:	Normal (Operating):	Maximum (Full Scale):
Flow:			
Pressure:			
Temperature:	0	8	35 °C
Design Pressure:		Vapor Pressure Pv:	Atmosphere
Design Temperature:		Viscosity:	
SG / Density:		Compressibility (Z):	
Pipe Rating:		Ambient Temperature:	0-35 °C
Pipe Material:		Special Condition:	

Type:	SPST normally open switch			Blow Out Protection:	
Function:	Door Closed Position			Pressure Element Material:	
Switch Range:	On	to	Off	-	Actuator Seal:
Switch Setpoint:	On	to	N/A	-	Connection Size:
Deadband:	None			Connection Location:	Door Frame
Power Supply:	24VDC			Nominal Accuracy:	
Power Wiring:				Manufacturer:	ASSA ABLOY
Case Material:				Model:	3285

Syphon Type:		Snubber Type:	
Syphon Material:		Snubber Material:	
Fill Fluid:		Customer SS Tag:	
Movement Damping:		Mounting Bracket:	

NOTES	1.



Humidistat Instrument

DATA SHEET NO.			REV.
DST-MSH-Z605			00
SHEET	1	OF	1

NO.	DATE	REVISION	BY	CHK'D	PROC.	APPR.
00	2016/09/02	Issued for Construction	CSR	JAB		


Project:			
TAG NO:	MSH-Z605	Serial No:	Loop Wiring Diagrams: 1-0103-AILD-Z602
Asset No:		Spec No:	Line / Vessel Number:
Description:	Humidistat high alarm monitor.	P&ID:	1-0103-PPID-Z001
Purchase Order:		Line ID:	Size:
Requisition Number:		Manufacturer:	Honeywell
		Model:	H46C
		Vendor:	
		Job Number:	

Upper Fluid:		Lower Fluid:	
Dielectrical Connection:		Dielectrical Connection:	
Process Data Case (Flow):	Minimum:	Normal (Operating):	Maximum (Full Scale):
Humidity:	5	50	95
Pressure:			
Temperature:	0	18	35
			Units: %
Design Pressure:		Vapor Pressure Pv:	Atmosphere
Design Temperature:		Viscosity:	
SG / Density:		Compressibility (Z):	
Pipe Rating:		Ambient Temperature:	
Pipe Material:		Special Condition:	

Type:	Relay Output	Blow Out Protection:	
Function:		Pressure Element Material:	
Switch Range:	5 to 95 %	Actuator Seal:	
Switch Setpoint:	30 to 50 %	Connection Size:	
Deadband:		Connection Location:	
Power Supply:	120Vac	Nominal Accuracy:	
Power Wiring:		Manufacturer:	Honeywell
Case Material:		Model:	H46C

Syphon Type:		Snubber Type:	
Syphon Material:		Snubber Material:	
Fill Fluid:		Customer SS Tag:	
Movement Damping:		Mounting Bracket:	

NOTES	1.

	Flowmeter Instrument			DATA SHEET NO.		REV.	
				DST-FIT-Z0002		00	
	Magnetic			SHEET	1	OF	1
	NO.	DATE	REVISION	BY	CHK'D	PROC.	APPR.
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Project:						
TAG NO:	FIT-Z0002	Serial No:		Loop Wiring Diagrams:	1-0103-AILD-Z004	
Asset No:		Spec No:		Line / Vessel Number:		
Description:	In line 760mm Magnetic Meter for effluent flow.			Line ID:	Size:	760mm Schedule:
Purchase Order:		P&ID:	1-0103-PPID-Z001	Manufacturer:	Siemens	
Requisition Number:		Model:		Sitrans FM MAG 6000		
Vendor:						
Job Number:						


PROCESS CONDITIONS	Fluid:					
	Fluid State:					
	Process Data Case (Flow):	Minimum:	Normal (Operating):	Maximum (Full Scale):	Units:	
	Flow:	10		158.8	MLD	
	Pressure:	0	0	44.8	kPa	
	Temperature:	0	15	20	°C	
	Design Pressure:	1034	kPa	Vapor Pressure Pv:		
	Design Temperature:	15	°C	Viscosity:		
	Lower SG / Density:			Compressibility (Z):		
	Higher SG / Density:			Special Condition:		
Pipe Material	Concrete (Upstream) / Stainless Steel (Downstream)					

METER	Connection Size:	760 mm	Mounting Orientation:	Horizontal
	Connection Type:	Flange	Mounting Kit:	N/A
	Tube Material:		Flange / Wafer Rating:	1034 kPa
	Lining Material:	Ebonite	Flange Type:	ANSI
	Lining Protector:		Flange Material:	Carbon Steel
	Electrode Type:		Enclosure Class:	IP67
	Electrode Material:	Hastelloy C-276	Safety Approvals:	
	Grounding Rings:	N/A	Manufacturer:	Siemens
	Grounding Rings:	N/A	Model:	Sitran FM 5100W

TRANSMITTER	Stainless Steel Tag:	FIT-Z0002	Elevation:	
	Application:	Effluent Flow	Suppression:	
	Type:	Carbon Steel ASTM A 105	Instrument Range:	
	Enclosure Class:	IP67 / NEMA4X/6	Calibration Range:	0 to 2000 L/s
	Housing:		Controller Display Range:	0 to 2000 L/s
	Signal / Protocol:	PROFIBUS PA	Static Pressure Range:	
	Power Supply:	24Vdc	Allow. Oper Pressure:	
	Electrical Connection:	Hard Wired	Allow. Oper Temperature:	-20 to 50 °C
	Accuracy:		Maximum Static Pressure	
	Response Time:		Manufacturer:	Siemens
Element Material:		Model:	Sitran FM MAG 6000	

OPTION	Integral Meter:		Hydrostatic Testing:	
	Scale:		Mounting Brackets:	

NOTES	1. Calibration tool to be provided under this project.

	Temperature Element Transmitter / Thermowells / RTD			DATA SHEET NO.		REV.
				DST-TT-Z6030		00
	NO.	DATE	REVISION	BY	CHK'D	PROC.
00	2016/09/02	Issued for Construction	CSR	JAB		

Project:						
TAG NO:	TT-Z6030	Serial No:			Loop Wiring Diagrams:	N/A
Asset No:		Spec No:			Line / Vessel Number:	
Description:	Duct mounted temperature transmitter			Line ID:	Size:	Schedule:
Purchase Order:				Manufacturer:	Siemens	
Requisition Number:				Model:	Sitrans TF	
Vendor:						
Job Number:						


PROCESS CONDITIONS	Fluid:					
	Fluid State:					
	Process Data Case (Flow.):	Minimum:	Normal (Operating):	Maximum (Full Scale):	Units:	
	Pressure:					
	Temperature:	-40	18	40		°C
	Design Pressure:			Vapor Pressure Pv:		
	Design Temperature:	18	°C	Viscosity:		
	Lower SG / Density:			Compressibility (Z):		
	Pipe Material			Special Condition:		

THERMOWELL	Tag Name:		Plug & Chain	
	Process Connection:	Threaded hub (welded to duct)	Lag Length (LAG):	
	Material:		Overall Length:	150 mm
	Sheating:		Treatments:	
	Coating:		Finishing:	
	Construction Type:		Stamping:	
	Internal Connection		Manufacturer	
	Length Below Thread/Flange (U):		Model:	

ELEMENT	Type:	RTD PT100	# Of Lead Wire Terminators	3-wire
	Material:		Lead Length:	
	Resistance:	100 ohms	Grounded Junction:	
	Wire Material:		Signal Connection:	
	Wire Gauge:		Code Standards	
	Single/Double or Other:		Manufacturer:	
	Diameter:		Model:	

TRANSMITTER	Stainless Steel Tag:	TT-Z6030	Response Time:	
	Application:	Supply air temperature	Element Material:	100 ohm PT
	Type:	RTD PT100	Suppression:	
	Enclosure Class:	IP66	Instrument Range:	-800 to 800 mV
	Housing:	Aluminum	Calibration Range:	-40 to 40 °C
	Signal / Protocol:	PROFIBUS PA	Controller Display Range:	-40 to 40 °C
	Power Supply:	24Vdc	Manufacturer:	Siemens
	Electrical Connection:	3/4 (21mm)	Model:	7NG3137 Sitrans TF
	Accuracy:	0.1 °C		

NOTES	

	Temperature Element			DATA SHEET NO.		REV.
	Transmitter / Thermowells / RTD			DST-TT-Z6101		00
	NO.	DATE	REVISION	BY	CHK'D	PROC.
00	2016/09/02	Issued for Construction	CSR	JAB		

Project:						
TAG NO:	TT-Z6101	Serial No:		Loop Wiring Diagrams:	N/A	
Asset No:		Spec No:		Line / Vessel Number:		
Description:	Wall mounted temperature transmitter			Line ID:	Size:	Schedule:
Purchase Order:		P&ID:	1-0103-PPID-Z601	Manufacturer:	Siemens	
Requisition Number:		Model:		Sitrans TF		
Vendor:						
Job Number:						

PROCESS CONDITIONS	Fluid:				
	Fluid State:				
	Process Data Case (Flow):	Minimum:	Normal (Operating):	Maximum (Full Scale):	Units:
	Pressure:				
	Temperature:	0	18	40	°C
	Design Pressure:			Vapor Pressure Pv:	
	Design Temperature:	18	°C	Viscosity:	
	Lower SG / Density:			Compressibility (Z):	
	Pipe Material			Special Condition:	

THERMOWELL	Tag Name:		Plug & Chain	
	Process Connection:	Wall mounted with manufacturer supplied bracket	Lag Length (LAG):	
	Material:		Overall Length:	150 mm
	Sheathing:		Treatments:	
	Coating:		Finishing:	
	Construction Type:		Stamping:	
	Internal Connection		Manufacturer	
	Length Below Thread/Flange (U):		Model:	

ELEMENT	Type:	RTD PT100	# Of Lead Wire Terminators	3-wire
	Material:		Lead Length:	
	Resistance:	100 ohms	Grounded Junction:	
	Wire Material:		Signal Connection:	
	Wire Gauge:		Code Standards	
	Single/Double or Other:		Manufacturer:	
	Diameter:		Model:	

TRANSMITTER	Stainless Steel Tag:	TT-Z6030	Response Time:	
	Application:	Supply air temperature	Element Material:	100 ohm PT
	Type:	RTD PT100	Suppression:	
	Enclosure Class:	IP66	Instrument Range:	-800 to 800 mV
	Housing:	Aluminum	Calibration Range:	-40 to 40 °C
	Signal / Protocol:	PROFIBUS PA	Controller Display Range:	-40 to 40 °C
	Power Supply:	24Vdc	Manufacturer:	Siemens
	Electrical Connection:	3/4 (21mm)	Model:	7NG3137 Sitrans TF
	Accuracy:	0.1 °C		

NOTES	