



AITRONIC IIOT (INDUSTRIAL INTERNET OF THING)

Changing Old to Smart Production Machine by AIT-2CT-1A



Visit Us At
Energenius Co.,Ltd



Benefit of AIT-2CT-1A

01

Application

02

Feature

03

Specification

04

Contact :

02-960-0004, 081-647-0229

More Information:

www.energeniusth.com

BENEFIT OF AIT-2CT-1A

Changing from Old to Smart Production, Online-Reported Machine

- Machine Starting Time
- Start Set Up Time
- Finished Set Up Time
- Notification when output is close to the ordered quantity
- Report on Production Efficiency
 - Quality Efficiency Rate
 - Machine Efficiency Rate
 - Overall Equipment Efficiency
 - Energy Consumption
 - Specific Energy Consumption



APPLICATION

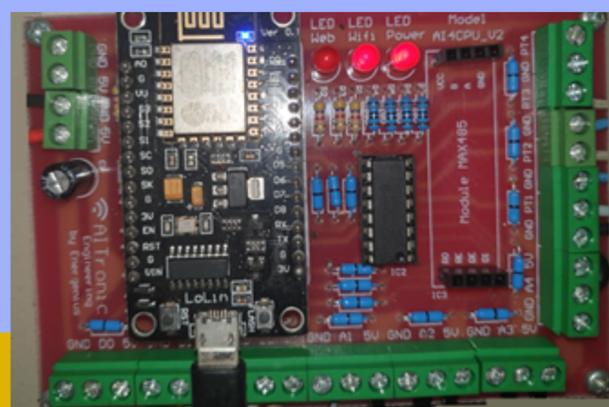
Product Countable Production Machine

- Injection Machine
- Printing Machine
- Food Production Machine
- Etc.



AIT-2CT-1A IIOT

- AIT-2CT-1A is a revolutionary new technology in the industry. Transforming your old machines into smart machines, adding innovative capabilities, machine efficiency improvement, saving energy, reducing cost and greenhouse gas emissions
- AIT-2CT-1A is an embedded CPU
- AIT-2CT-1A can measure Machine Efficiency
- AIT-2CT-1A can measure Machine Current and Energy

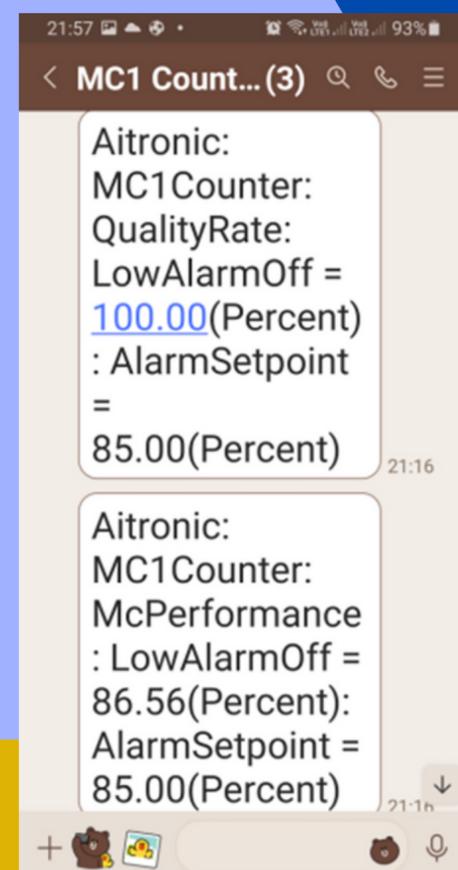
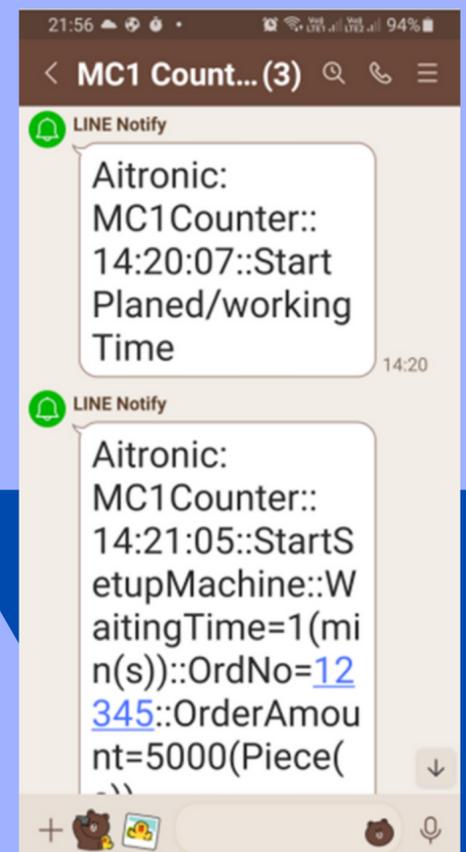


AIT-2CT-1A FEATURE

Report and Notification

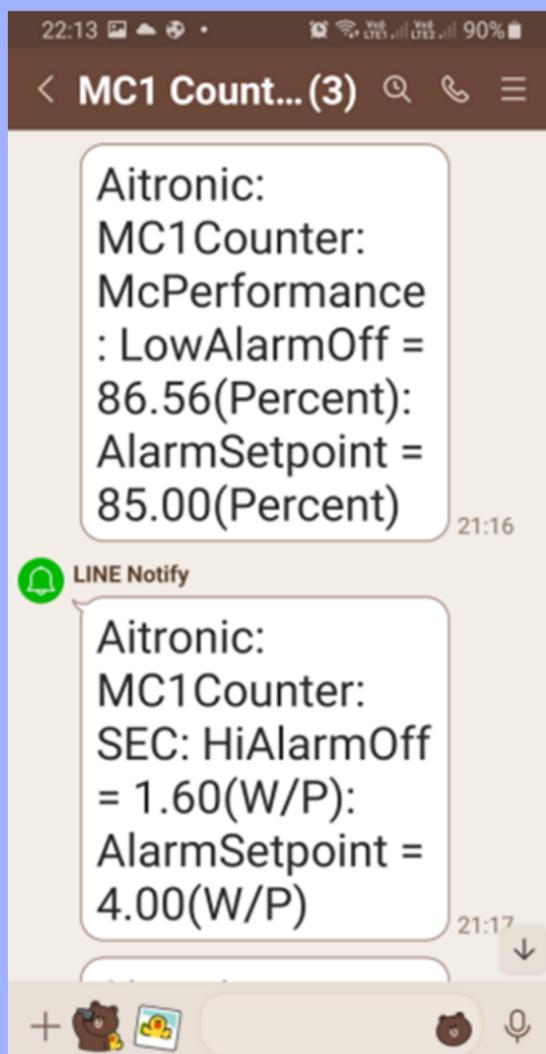
- Machine Starting Time
- Machine Start Set Up Time
- Machine Finished Set Up Time and Set Up Duration Time
- Machine Stop and Re-run Time
- Notify when the output is close and reach ordered quantity and production duration time
 - Quality Efficiency Rate
 - Machine Efficiency Rate
 - Overall Equipment Efficiency
 - Energy Consumption
 - Specific Energy Consumption

	A	B	C	D	E	F	G	H	I	J	K	L	M
545	28/10/2022	20:10:48	MachineName	MC1Counter	StartPWTime	20:10:44							
546	28/10/2022	20:11:47	MachineName	MC1Counter	StartSUITime	20:11:43	WaitTime(m)/OrderNo=	1	12345	OrderAmount	5000	(Piece)	
547	28/10/2022	20:13:44	MachineName	MC1Counter	StartPWTime	20:13:41							
548	28/10/2022	20:14:44	MachineName	MC1Counter	StartSUITime	20:14:40	WaitTime(m)/OrderNo=	1	12345	OrderAmount	5000	(Piece)	
549	28/10/2022	20:14:48	MachineName	MC1Counter	FinishSUITime	20:14:45	SUIDuration=	0	(minute(s))	PDTTarget=	600	(Piece/Minute)	
550	28/10/2022	20:20:44	MachineName	MC1Counter	McPerformance	0	Percent	AlarmSetpoint	0	Percent	LoAlarm-On		
551	28/10/2022	20:23:45	MachineName	MC1Counter	McPerformance	85	Percent	AlarmSetpoint	0	Percent	LoAlarm-Off		
552	28/10/2022	20:25:12	MachineName	MC1Counter	AlarmPD	20:25:08	OrderRemain=	1000	(Unit(s))				
553	28/10/2022	20:27:02	MachineName	MC1Counter	AlarmPD	20:26:58	OrderComplete=	5000	(Unit(s))	PDTime=	13	(minute(s))	
554	28/10/2022	20:28:45	MachineName	MC1Counter	McStopped	20:28:41	TotalPD=	5360	(Unit(s))	TotalGD=	5360	(Unit(s))	
555	28/10/2022	20:28:49	MachineName	MC1Counter	QualityRate=	100	(percent)	PerformanceRate=	59.56	(percent):McAv=	100	(percent)	
556	28/10/2022	20:28:53	MachineName	MC1Counter	OEE=	59.56	(percent)	TotalEE=	12.5	(kWh)-SEC=	2.33	WIP	
557	28/10/2022	20:28:58	MachineName	MC1Counter	QualityRate	100	Percent	AlarmSetpoint	85	Percent	LoAlarm-Off		
558	28/10/2022	20:29:03	MachineName	MC1Counter	McPerformance	59.56	Percent	AlarmSetpoint	85	Percent	LoAlarm-On		
559	28/10/2022	20:29:07	MachineName	MC1Counter	SEC	2.33	WIP	AlarmSetpoint	4	WIP	HiAlarm-Off		



AIT-2CT-1A SPECIFICATION

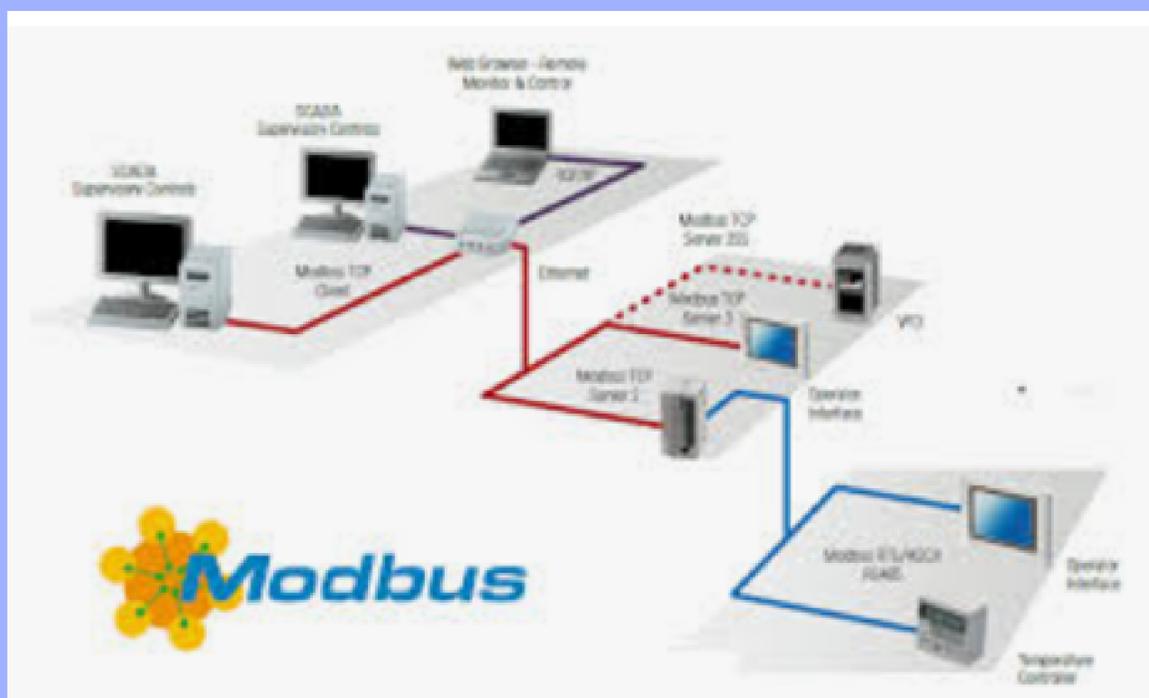
- Infrared Reflectance Sensors
 - 1 for counting Machine Production
 - 1 for counting good or defected products
 - Adjustable detection range of 6 to 80 cm
 - LED status display
 - Power supply DC 5 V Current 100mA
- Current Sensor (0-100 A)
 - Calculate Total Energy
 - Calculate SEC (Specific Energy Consumption) and set alarm notification



AIT-2CT-1A SPECIFICATION

Modbus Communication (via TCP Modbus communication protocol)

- Production Counter Display
- Good or Defect Counter Display
- Quality Efficiency Rate Display
- Instantaneous Machine Efficiency Rate Display
- Average Machine Efficiency Rate Display
- Machine Available Rate Display
- OEE (Overall Equipment Efficiency) Rate Display
- Current Consumption Display
- Total Energy Consumption Display
- Instantaneous SEC Display

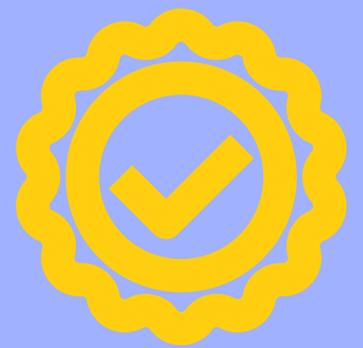


AIT-2CT-1A SPECIFICATION

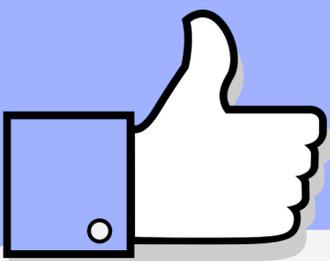
Environmental Limits

- Operating Temperature Range: -40-85 degrees Celsius
- Operating Humidity: 5-95%

AIT-2CT-1A IIOT



If you are looking for a system to replace your old machinery to be a smart machine. Improving efficiency, reducing the operating costs and also greenhouse gas emissions....



AIT-2CT-1A is a system of choice!!!

