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TECHNICAL DATA

Model Enclosure Ambient temperature

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Temperature storage/transport Supply voltage Primary fuse Transformer fuse Cable connections Damper connection Adjustable overrun time Weight ICE-LC IP66 (EN 60529) / UL94-V2 Max. 40°C /105°F (24h avg. max.35°C/ 95°F) Min. 0°C / 32°F (full operation) -10°C to 65°C / 15 to 145°F 110-120 VAC / 208-240 VAC 0.4 AT (slow blow) Built-in thermal Screw terminals 24VAC (2/3 wire) 7sec – 6min 1,8kg / 4lbs

SAFETY INFORMATION

The voltage of the LC is dangerous whenever the equipment is connected to mains. Incorrect installation of the unit may cause damage to the equipment, serious personal injury or death. Consequently, the instructions in this manual, as well as national and local rules and safety regulations, must be complied with.

The LC unit must be disconnected from mains if repair or installation work is to be carried out. Check that the mains supply has been disconnected.

FUNCTION

The LC is a fully automatic damper control which controls the airflow in your system according to demand. A range of input sources can be installed to activate the unit (S-100, SK-300, MC-005, LS-12). When using the LC in conjunction with gas welding, torch cutting and/or TIG welding (with currents below 30A) we recommend using the light sensor (LS-12) instead of or in parallel with the MC-005 inductive sensor.

MECHANICAL INSTALLATION

• The LC should be mounted on a vibration free surface.





DVAC

(2)

(115VAC) (230VAC) (400VAC)

ELECTRICAL INSTALLATION

Important information

- The unit may not be installed in an explosive environment.
- Always check that main power is turned off prior to installation of the LC control box.
- Installation should be conducted by a qualified electrician.
- **Note!** that depending on what voltage you are using it is necessary to connect the power wires to different terminals inside the control box. 115V terminals are different than used for 230V.

Electric power connection

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Electric power should be connected as follows:

- 115VAC: Neutral connects to terminal N Phase connects to L1 115VAC
- 230VAC: Neutral connects to terminal N Phase connects to terminal L1 230VAC

The primary side of the transformer is secured by a 0.4AT slow blow fuse, 5x20mm. The transformer has also a built-in thermal fuse.

MCC-05 LS-12 SENSOR

S-100

MSR-24/2

TORQUE 8 IN.LBS/0,9 Nm TORQUE 5 IN.LBS/0,6 Nm

> NOTE: That only one of the L1 terminals should be used (115/240/400), corresponding with the supply voltage.

SWITCH

/ BLACH

2/ BROV 1/ BLUE

BLUE GRAY

RED BLACK

2 or (4



INSTALLATION

MSR-24/2 micro switch connection



Interconnection

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Connections between the LC and other equipment in the system are needed when you need them to interoperate.



OVERRUN TIME ADJUSTMENT

The overrun time is adjustable between seven (7) seconds and six (6) minutes. To adjust the overrun time of the LC unit please locate the blue potentiometer wheel on the circuit card. To increase the time, turn the wheel clockwise, and to decrease the time turn it counter clockwise. Do not position the wheel in the outermost directions.

		SPARE PARTS							
	Produkt No:	Decription							
	Flouukt No.	Decription							
A	All models ICE-LC	All models of ICE-LC							
В	All models MD-	All models MD-							
С									
Abreviations									
X = Order as requiered, state requiered length.									
_									

Pos	Art. No:	Α	В	С	D	Ε	F	G	Description	Note
1	940 304	1							PRINTED CIRCUIT BOARD W/O KNOBS	
2	936352-Z		1						DAMPER MOTOR 24V 5 SEC.	
	-									

When ordering spare parts please quote:

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•Product No. (see label) • Batch No • Description • Part No • Quantity

For example: ICE-LC, 00040, Printed circuit board 940304 1 pc



DECLARATION OF CONFORMITY

Reg.nr: 2.25-1 Edition: 3 Date: 060814

PLYMOVENT.

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GB) EU Declaration of Conformity

We hereby declare that the equipment described below conforms to the relevant fundamental safety and health requirements of the appropriate EU Directives, both in its basic design and construction as well as in the versior marketed by us. This declaration will cease to be valid if any modifications are made to the machine without our express approval.

Appropriate internal measures have been taken to ensure that series-production units conform at all times to the requirements of current EU Directives and relevant standards. The signatories are empowered to represent and ac on behalf of the company management.

EG Konformitätserklärung D

Hiermit erklären wir, daß die nachfolgend bezeichnete Maschine aufgrund ihrer Konzipierung und Bauart sowie in der von uns in Verkehr gebrachten Ausführung den einschlägigen grundlegenden Sicherheits- und Gesundheitsanforderungen der EG-Richtlinien entspricht. Bei einer nicht mit uns abgestimmten Änderung der Maschine verliert diese Erklärung ihre Gültigkeit.

Es ist durch interne Maßnahmen sichergestellt, daß die Seriengeräte immer den Anforderungen der aktueller EG-Richtlinien und den angewandten Normen entsprechen. Die Unterzeichnenden handeln im Auftrag und mi Vollmacht der Geschäftsführung.



 End présente, nous déclarons que la machine ci-après répond, de par sa conception et sa construction ainsi que de la directive
par le modèle que nous avons mis sur le marché, aux exigences de sécurité et d'hygiène en vigueur de la directive européenne. En cas de modification de la machine effectuée sans notre accord, cette déclaration sera caduque La conformité permanente des appareils de série avec les exigences consignées dans les directives actuelles de la CE et avec les normes appliquées est garantie par des mesures internes. Les soussignés agissent par ordre et avec les pleins pouvoirs de la Direction commerciale

Dichiarazione di conformità CE

(1)Dichiariamo con la presente, che la macchina qui di seguito indicata, in base alla sua concezione e al tipo di costruzione, e nella versione da noi introdotta sul mercato, è conforme ai relativi requisiti fondamentali di sicurezza e d sanità delle direttive della CE. In caso di modifica apporate alla macchina senza il nostro accordo, questa dichiarazione perde la sua validità

Mediante accorgimenti interni, è stato assicurato che gli apparecchi di serie siano sempre conformi ai requisiti delle attuali direttive CE e alle norme applicate. I firmatari asgiscono su incarico e con i poteri dell'Amministrazione

(NL)EU-conformiteitsverklaring

Hiermee verklaren wij dat de hierna vermelde machine op grond van haar concipiëring en constructie en in de door ons in omloop gebrachte uitvoering beantwoordt aan de desbetreffende veiligheids- en gezondheidsvoorschriften van de EG-richtlijnen. Na een wijziging aan de machine die niet in overleg met ons wordt uitgevoerd, verliest deze verklaring haar geldigheid.

Door interne maatregelen is er voor gezorgd dat de standaard-apparaten altijd beantwoorden aan de eisen van de actuele richtlijnen en de toegepaste normen. De ondergetekenden handelen in opdracht en op volmacht van de bedriifsleiding.

Declaración de conformidad de la Unión Europea

E) Por la presente declaramos los abajo firmantes que la máquina designada a continuación cumple, tanto por su concepción y clase de construcción como por la ejecución que hemos puesto en circulación, las normas fundamentales de seguridad y protección de la salud formuladas en las directivas comunitarias correspondientes. La presente declaración pierde su validez en caso de alteraciones en la máquina efectuadas sin nuestro consentimiento explicito Mediante una serie de medidas internas, queda asegurado que los aparatos y equipos de serie cumplan siempre las exigencias formuladas en las directivas comunitarias actuales y en las normas correspondientes a aplicar. Los firmantes actúan autorizados y con poder otorgado por la dirección de la empresa

CE-Declaração de conformidade

Nós declaramos pelo presente instrumento que a máquina abaixo indicada corresponde, na sua concepção, fabricação bem como no tipo por nós comer-cializado, às exigências básicas de segurança e de saúde da directiva da CE. Se houver uma modificação na máquina sem o nosso consentimento prévio, a presente declaração perderá a sua validade.

Assegura-se, através de medidas internas da empresa, que os aparelhos de série correspondem sempre às exigências das directivas actualizadas da CE e às normas aplicadas. Os abaixo assinados, actuam e representam através de procuração a gerência.



Hermed erklærer vi at nedenstående maskine på grund af sin udformning og konstruktion i den udførelse, i hvilken den sælges af os, overholder EU-direktivernes relevante, grundlæggende sikkerheds- og sundhedsmæssige krav. Hvis maskinen ændres uden aftale med os, mister denne attest sin gyldighed.

Interne forholdsregler sikrer, at serieapparaterne altid opfylder kravene fra de aktuelle EU-direktiver og de standarder der blev anvendt. Underskriverne handler på forretningsledelsens vegne og med dennes fuldmagt

DECLARATION OF CONFORMITY

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EU-KONFORMITETSERKLÆRING

Vi erklærer herved at maskinen som er beskrevet nedenfor, i konstruksjon og ufførelse tilsvarer markedsførte modell og er i overensstemmelse med de gjeldende og grunnleggende sikkerhets- og helsekrav i EU-direktivet. Denne erklæring mister sin gyldighet dersom maskinen endres uten etter avtale med oss. Gjennom interne tiltak er det sikert at serieproduserte maskiner alltid er i overensstemmelse med kravene i de aktuelle

EU-direktiver og anvendte normer. Undertegnede handler etter oppdrag og med fullmakt fra ledelsen.

S <u>Försäkran om överensstämelse</u>

Härned försäkrar vi att den enligt nedan angivna maskinen till konstruktion, byggnadssätt och i av oss levereral utförande motsvarar tillämpliga baskrav beträffande säkerhet och hälsa enligt EU-direktiven. Vid ändringar på maskinen som icke avtalats med oss upphör denna försäkran att gälla. Vi har genom interna åtgärder säkerställt, att serietillverkade maskiner alltid motsvarar aktuella EU-direktiv och tillämpade normer. De undertecknade agerar på uppdrag av och med fullmakt av företagsledningen.

FIN <u>EU-vaatimustenmukaisuusvakuutus</u>

Me vakuutamme, attä alla mainittu tuote vastaa suunnittelultaan ja rakenteeltaan sekä valmistustavaltaan EU-direktiivien asianomaisia turvallisuus- ja terveysvaatimuksia. Jos koneeseen tehdään muutoksia, joista ei ole sovittu kanssamme, tämä vakuutus ei ole enää voimassa.

Sisäisin toimenpitein varmistetaan, että sarjatuotantolaitteet vastaavat aina voimassaolevien EU-direktiivien vaatimuksia ja sovellettuja normeja. Allekirjoittaneet toimivat yrityksen johdon toimeksiannosta ja valtuuttamina.

PRODUCT: CONTROL EQUIPMENT MODELS: ICE-LC, ASE 12, ES-90, M-1000, PCU-1000 SA-24, ECMOA

BATCH NO: 06321--XXXXX

EU-DIRECTIVES:

89/336/EEC, 92/31/EEC EN 61000-6-4 EN 61000-6-2

73/23/EEC, 93/68/EEC EN 60204-1

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